

FIG. 1

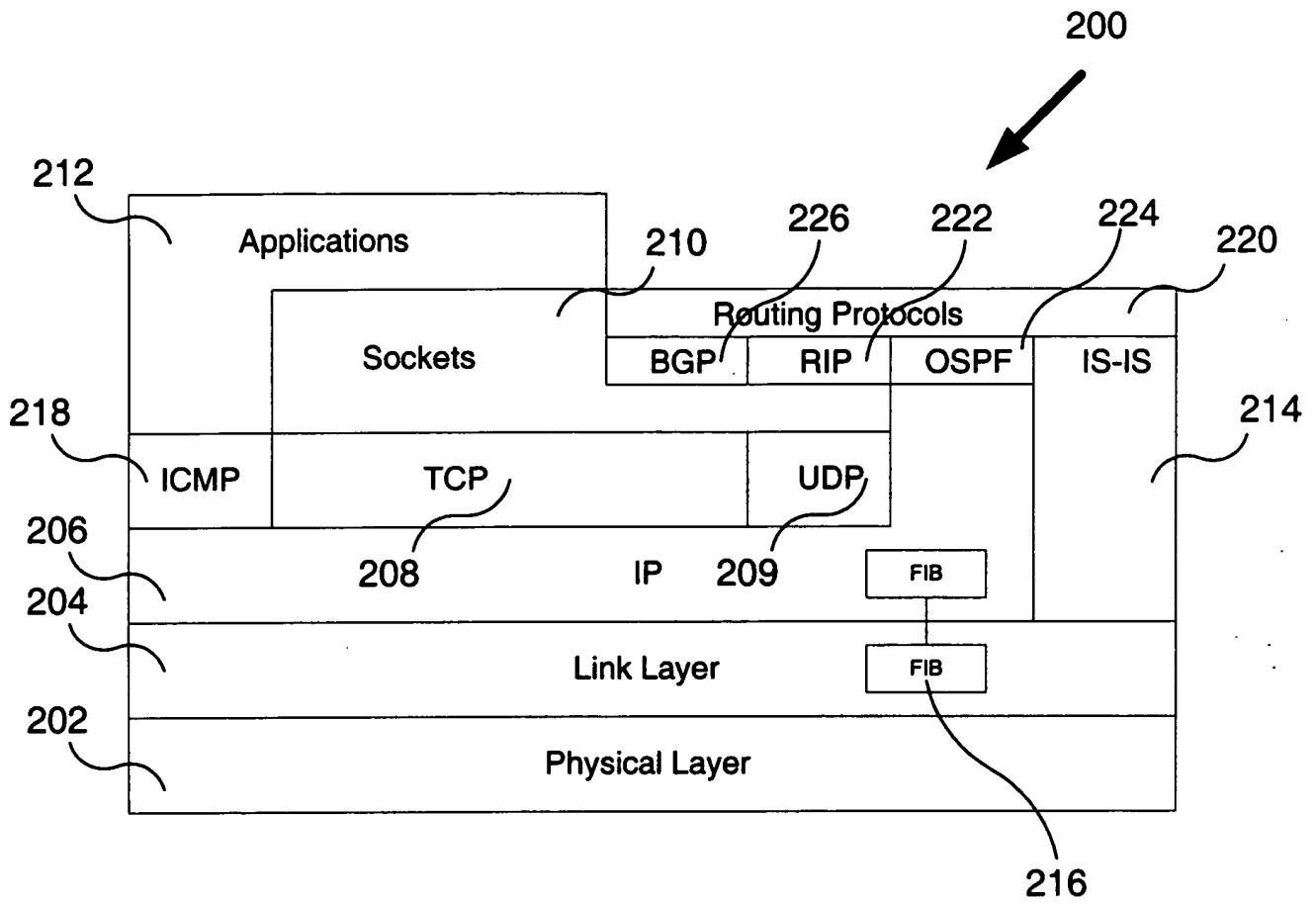


FIG. 2

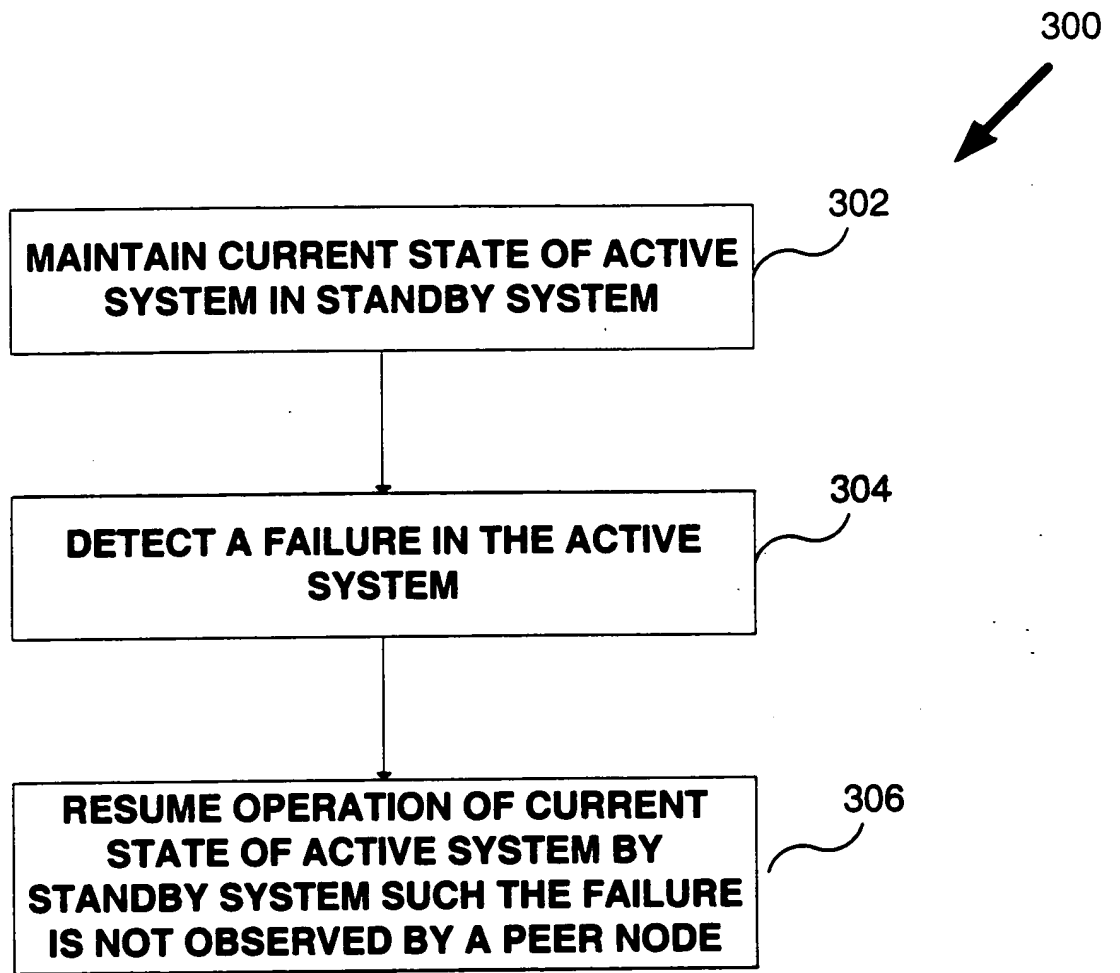


FIG. 3

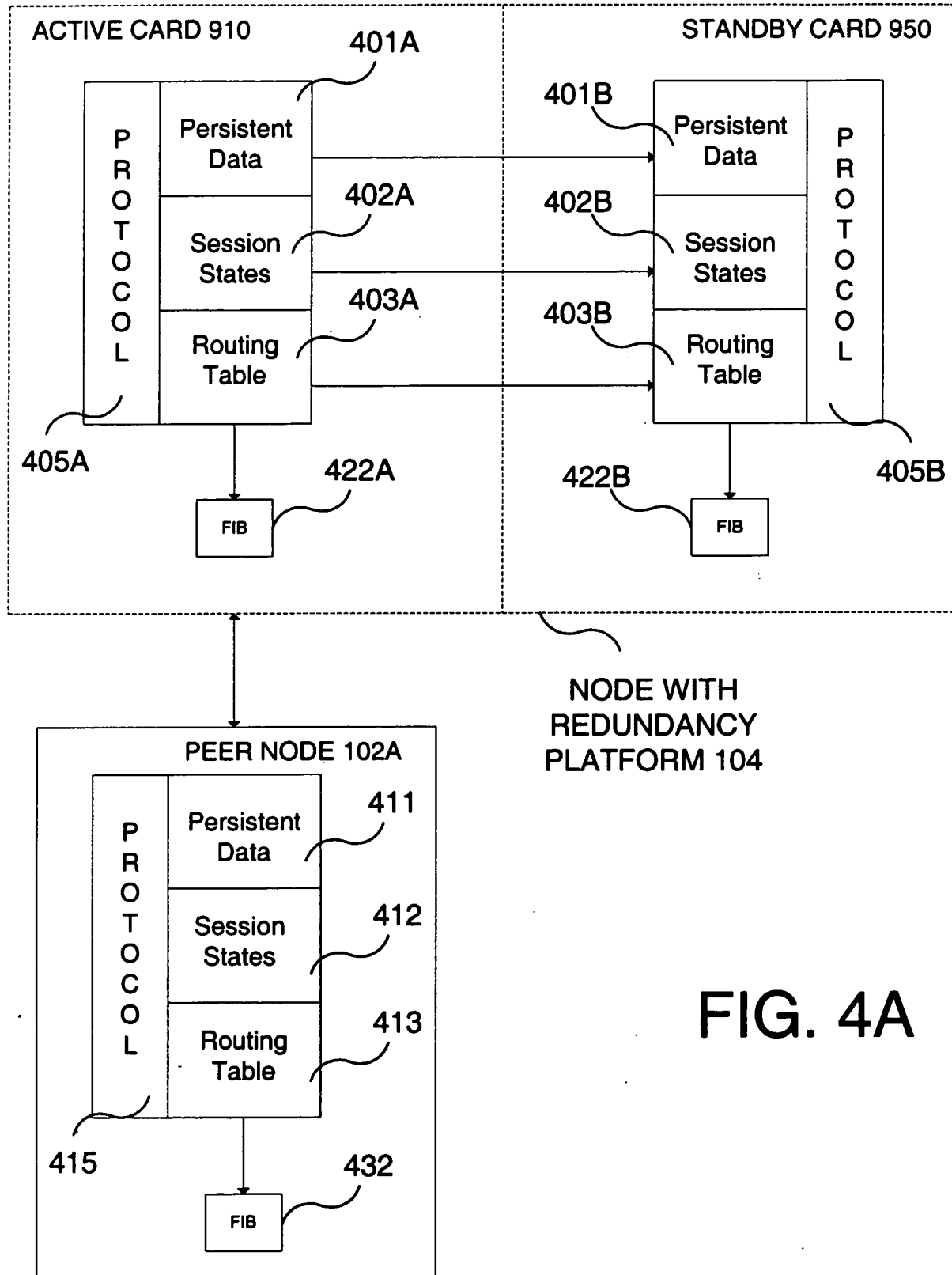


FIG. 4A

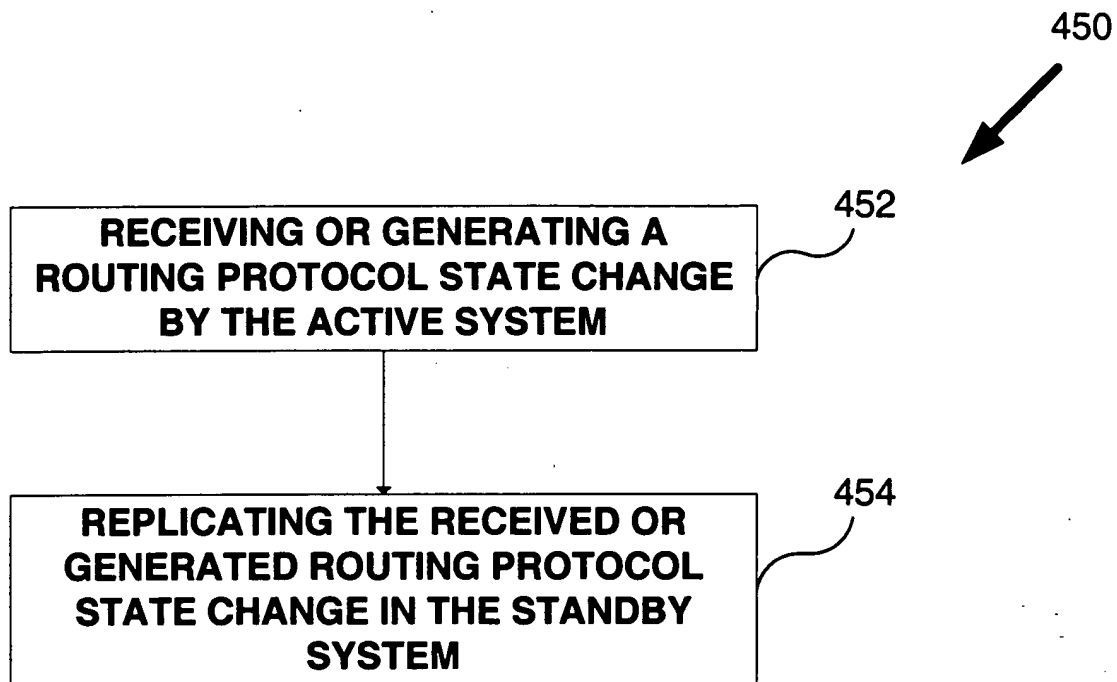


FIG. 4B

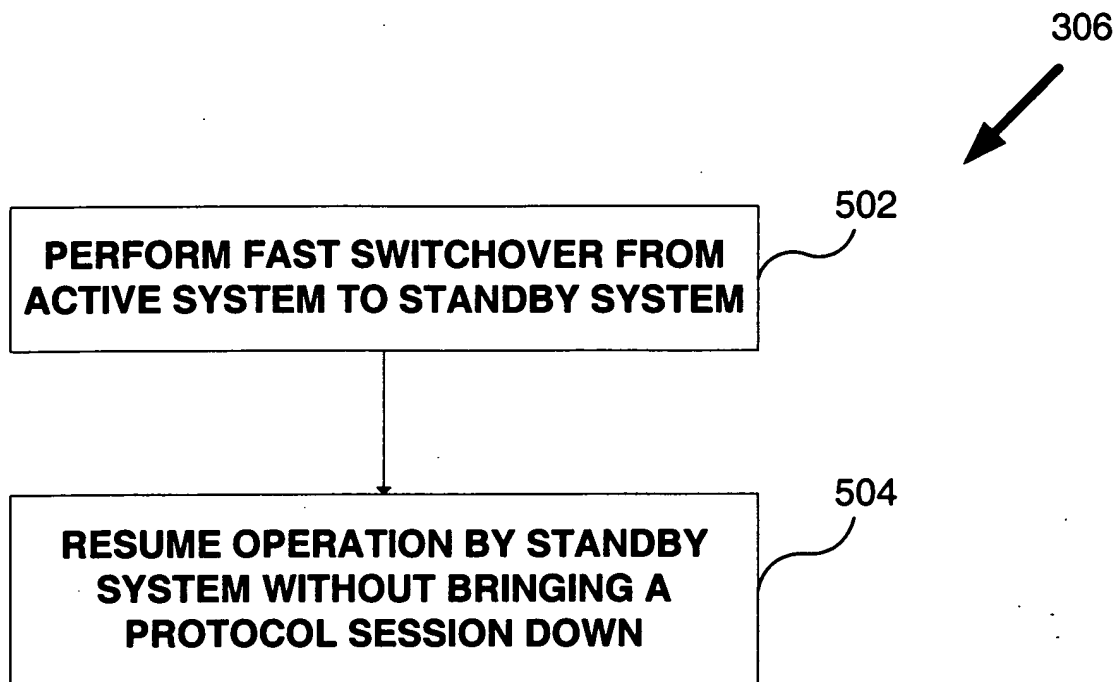


FIG. 5

600



Active Card 910

Standby Card 950

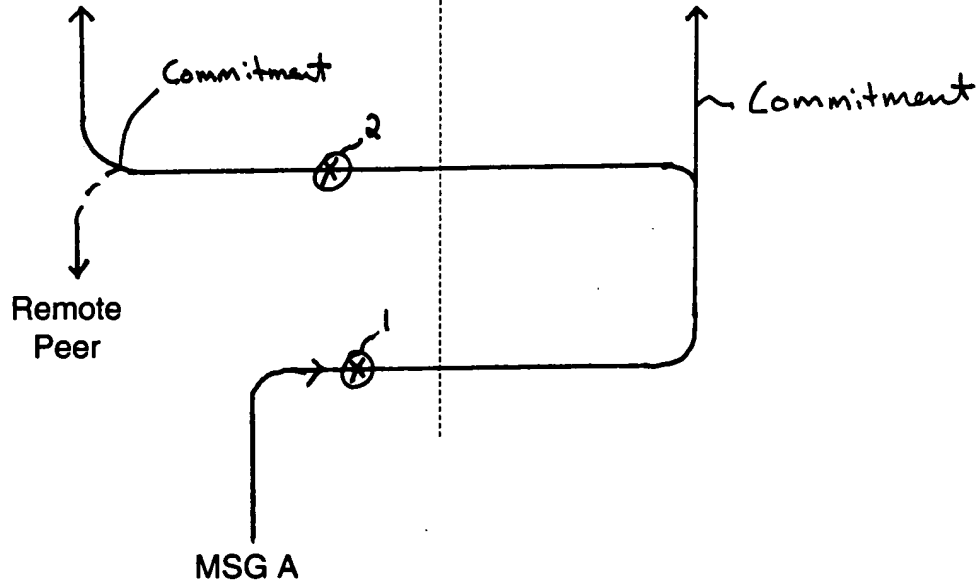


FIG. 6A

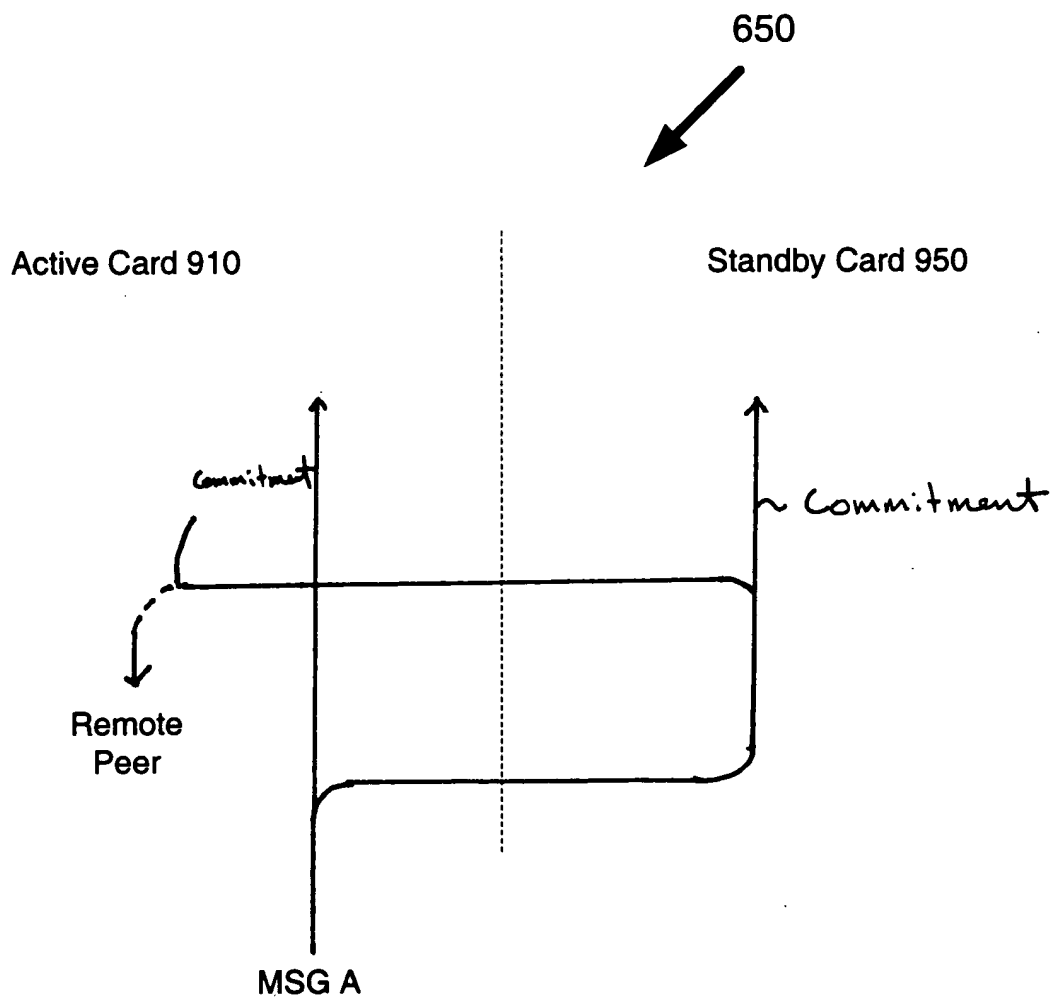


FIG. 6B

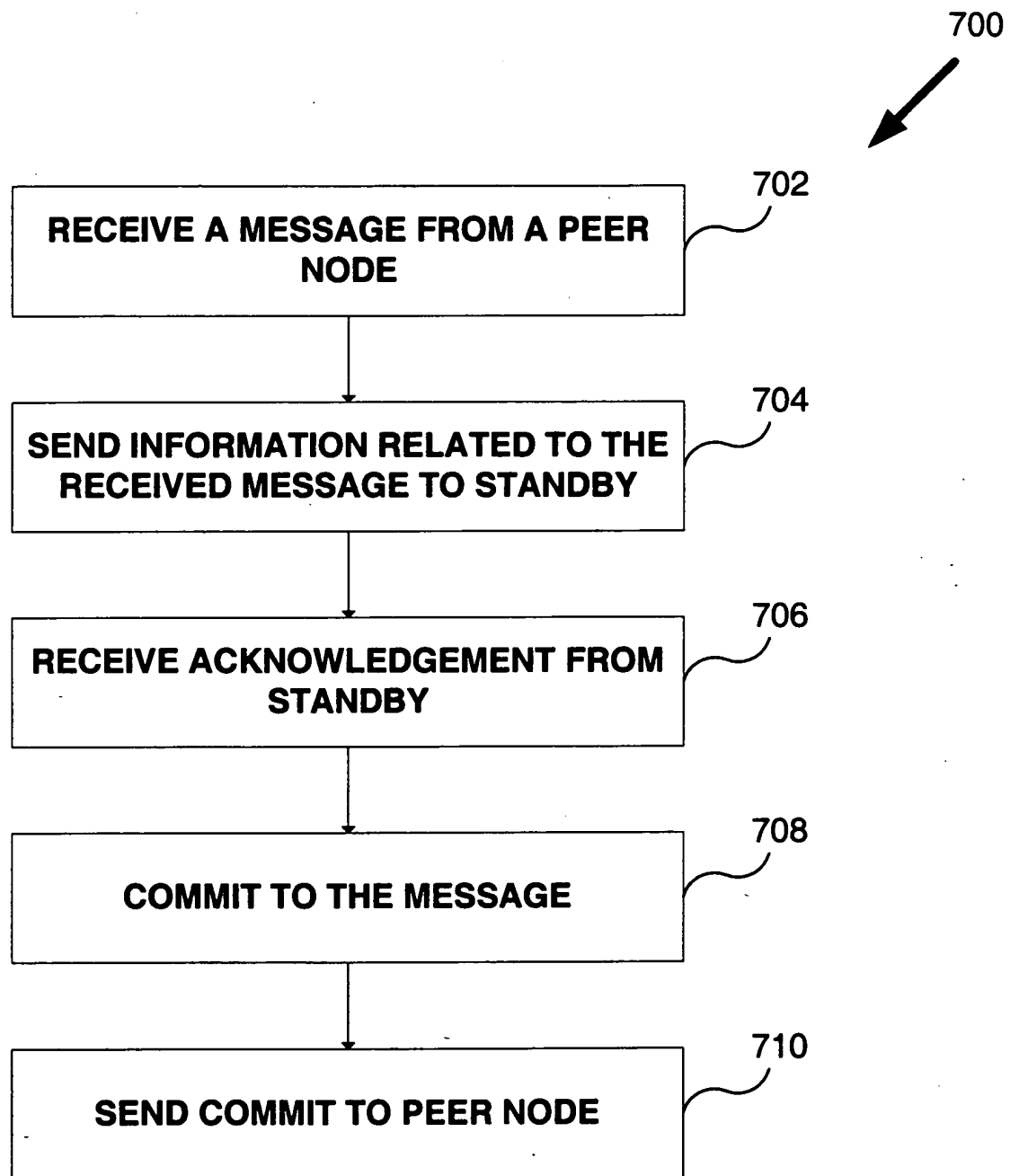


FIG. 7

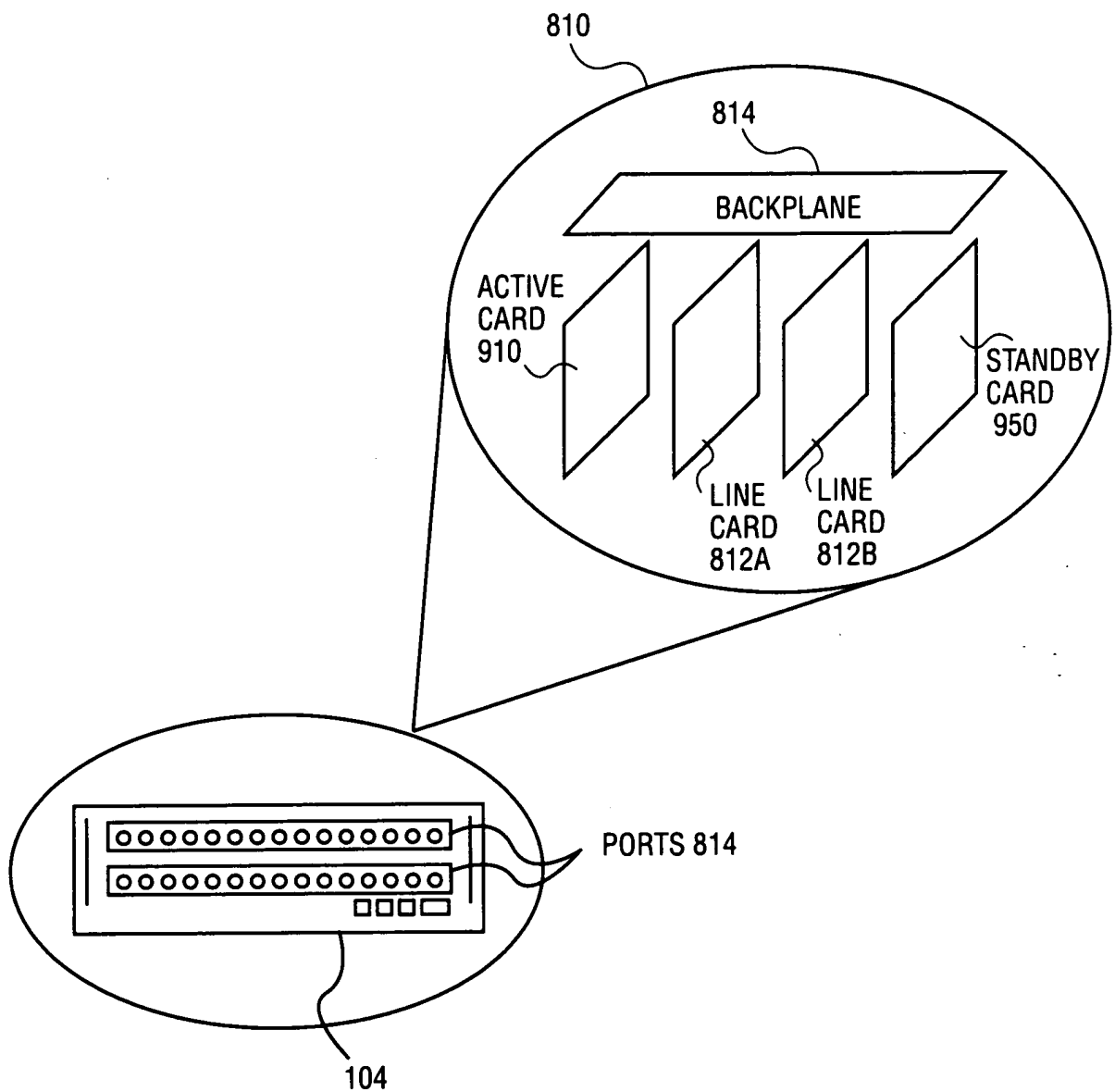


FIG. 8

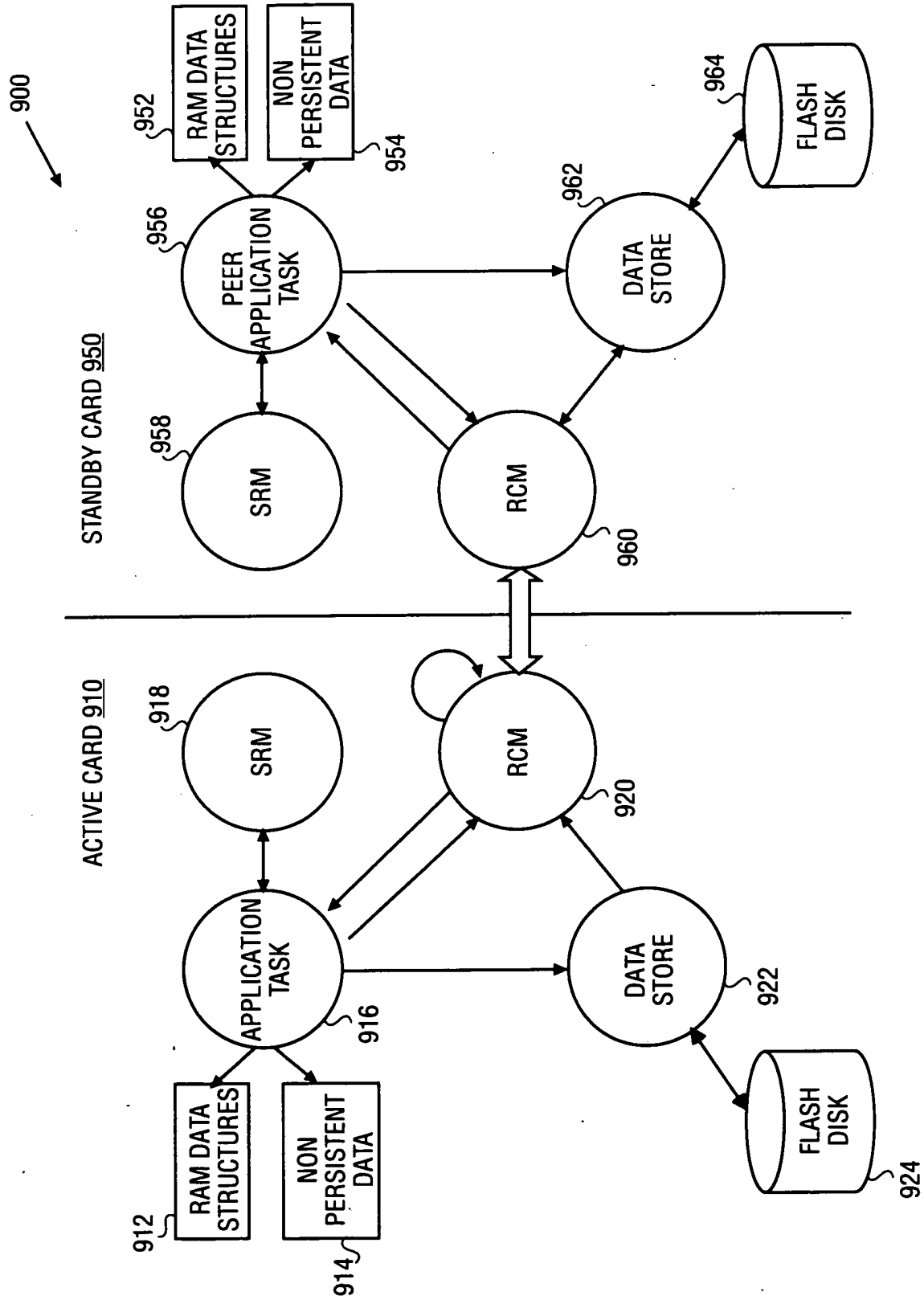


FIG. 9

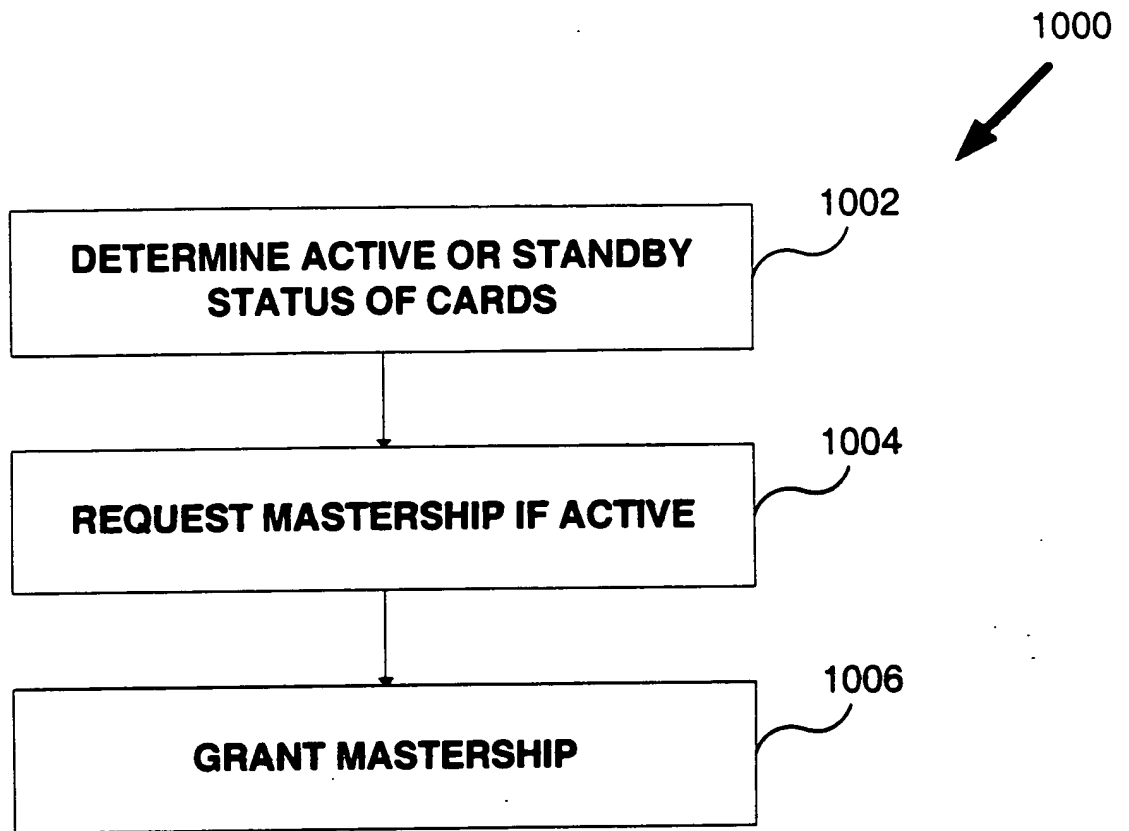


FIG. 10A

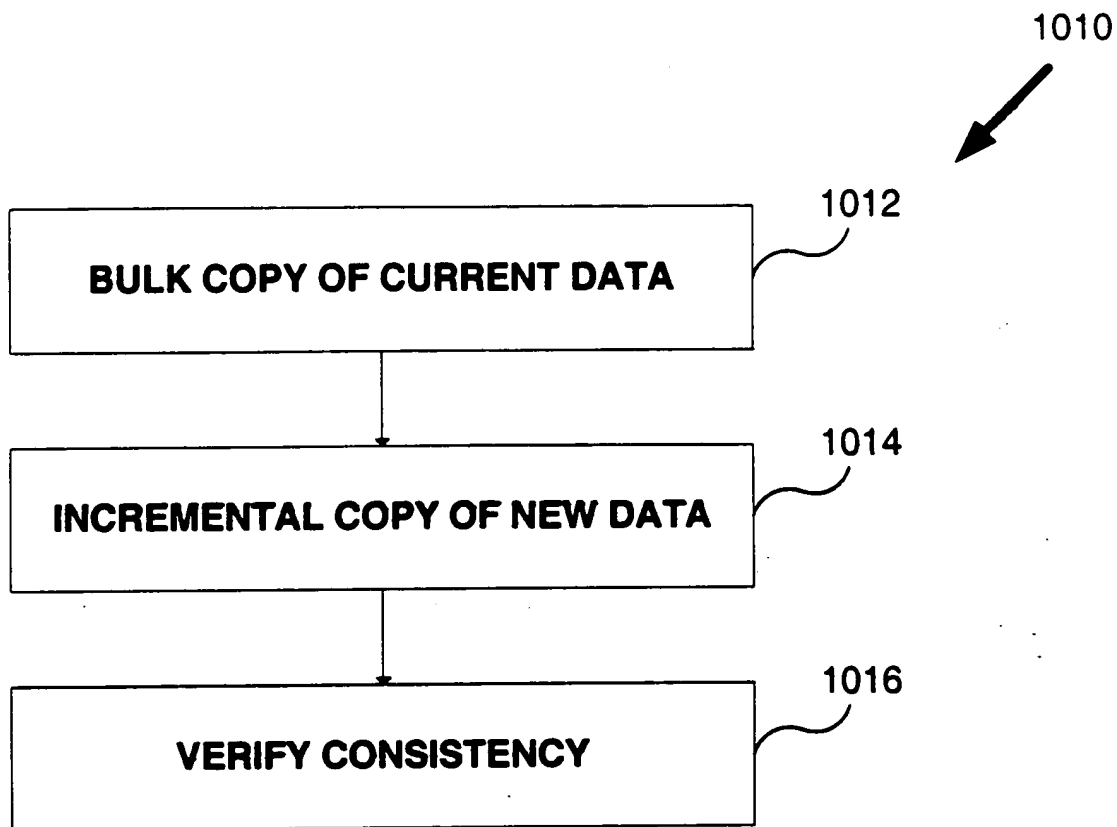


FIG. 10B

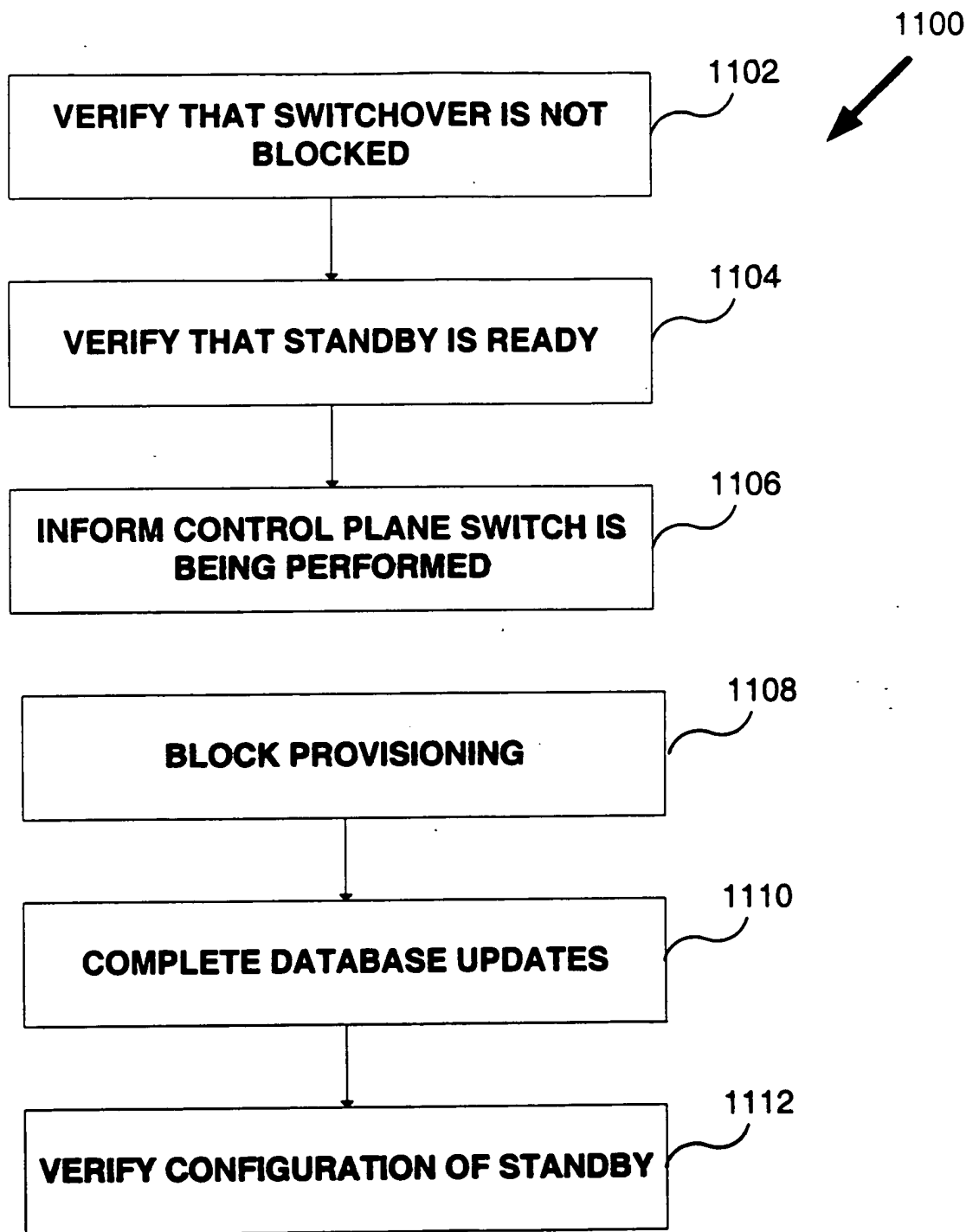


FIG. 11A

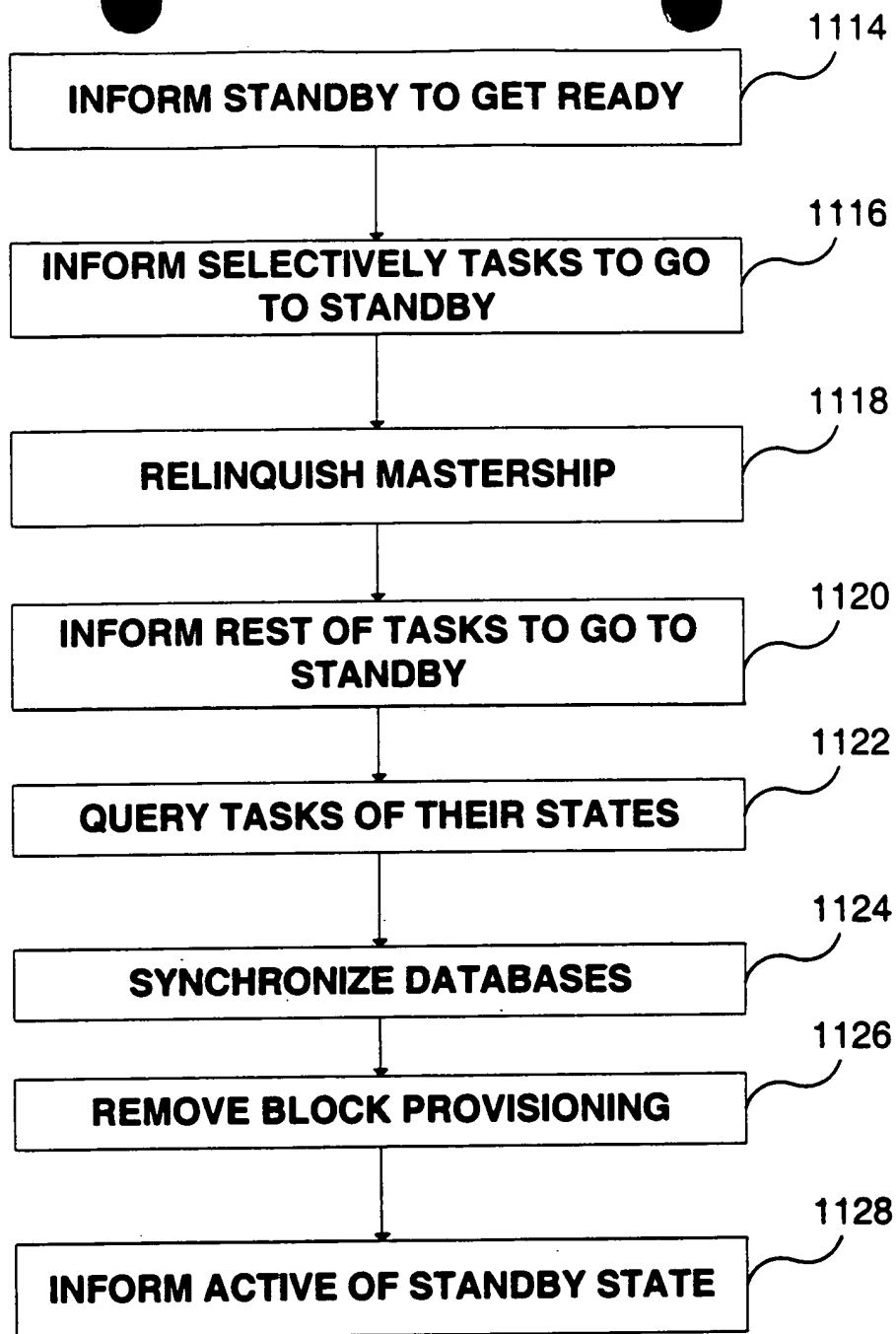


FIG. 11B

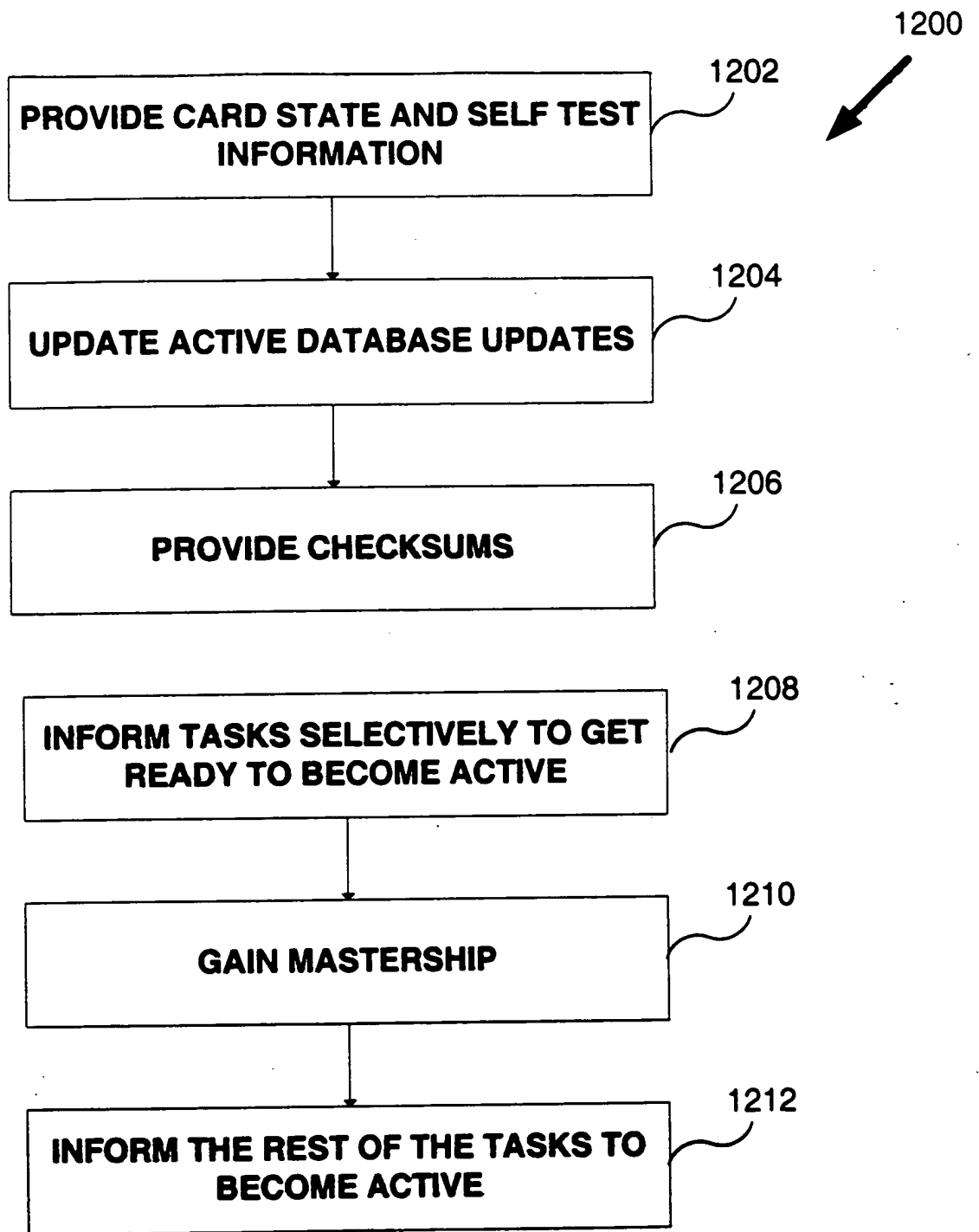


FIG. 12A

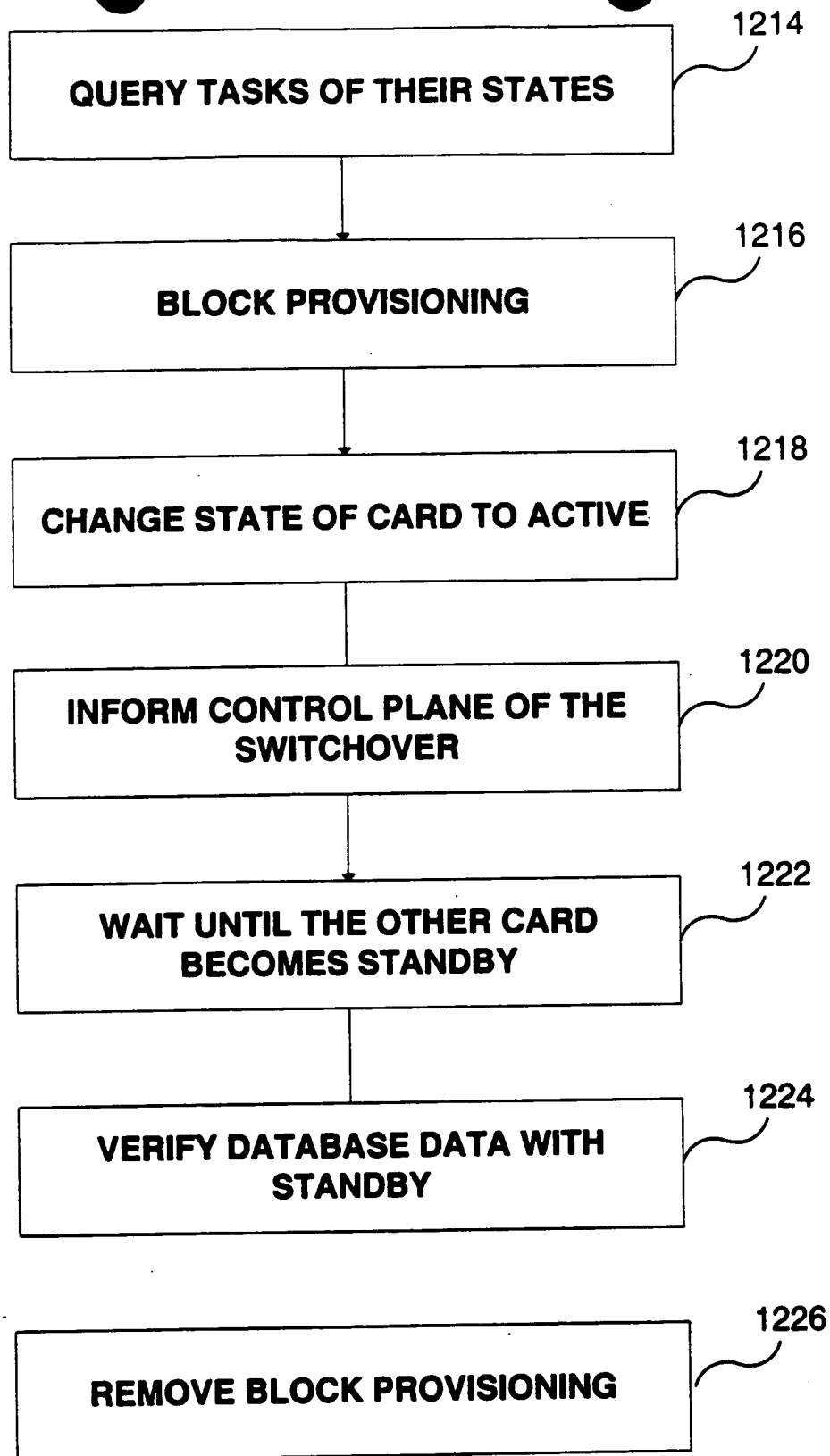


FIG. 12B

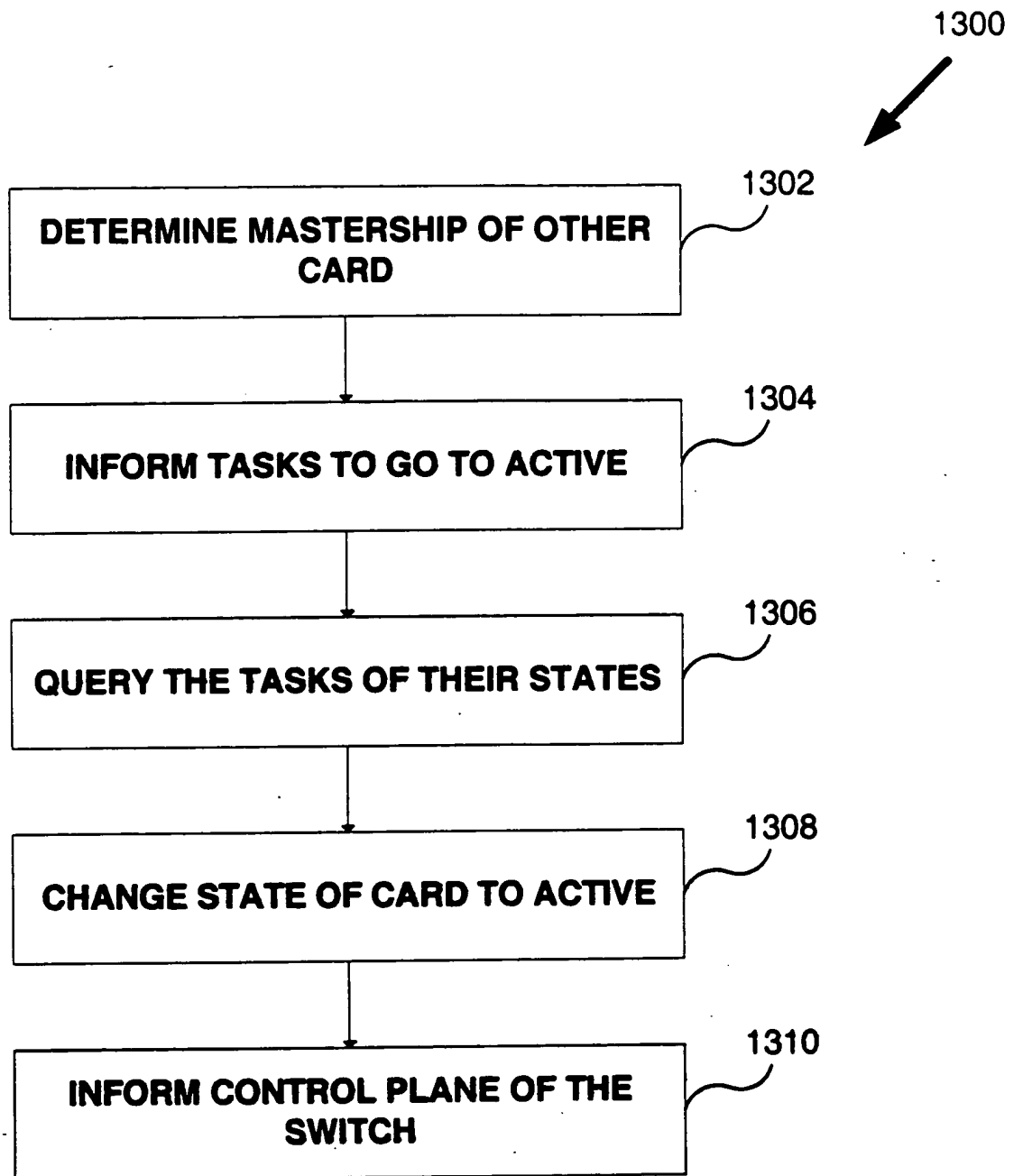


FIG. 13

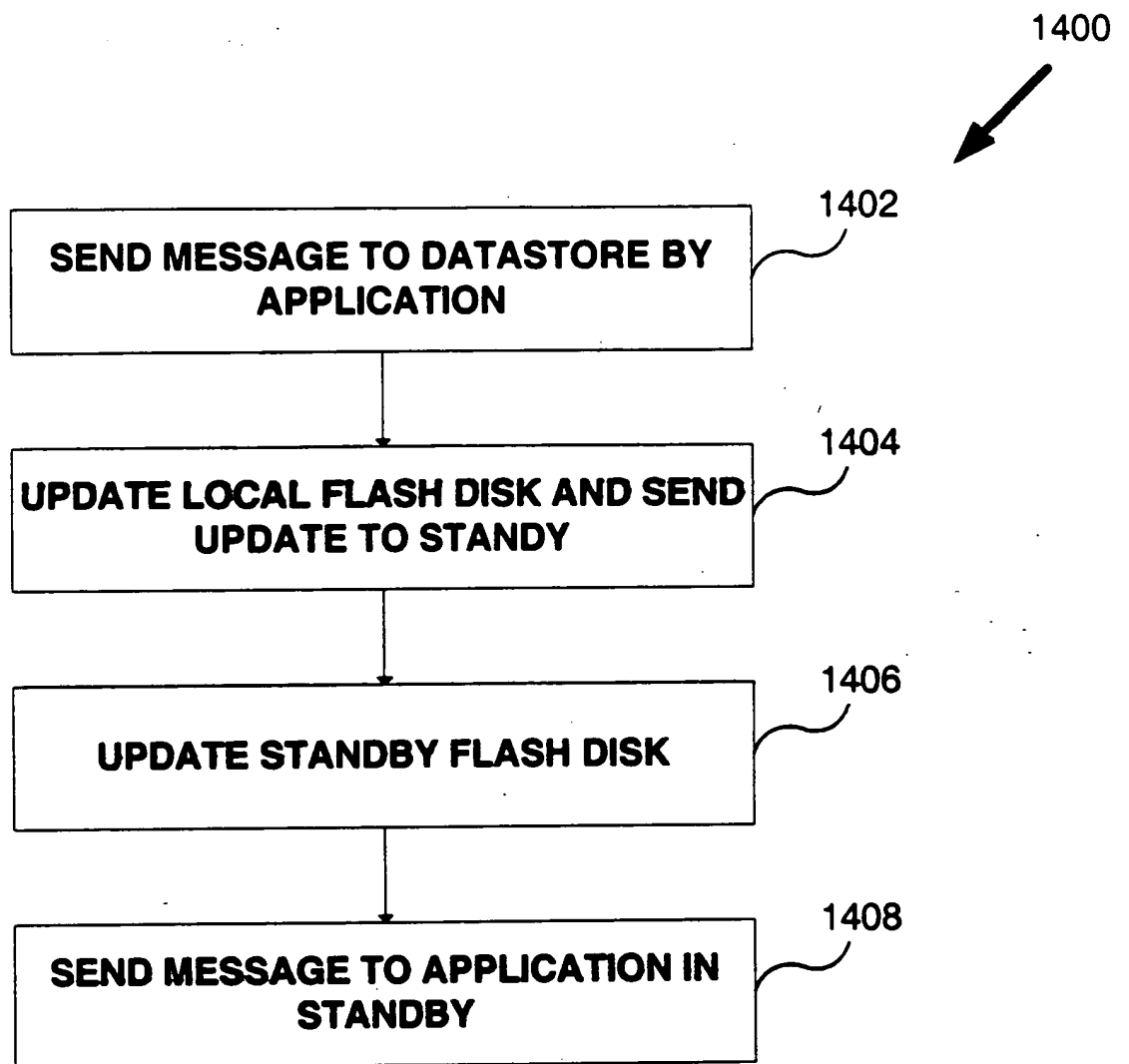


FIG. 14

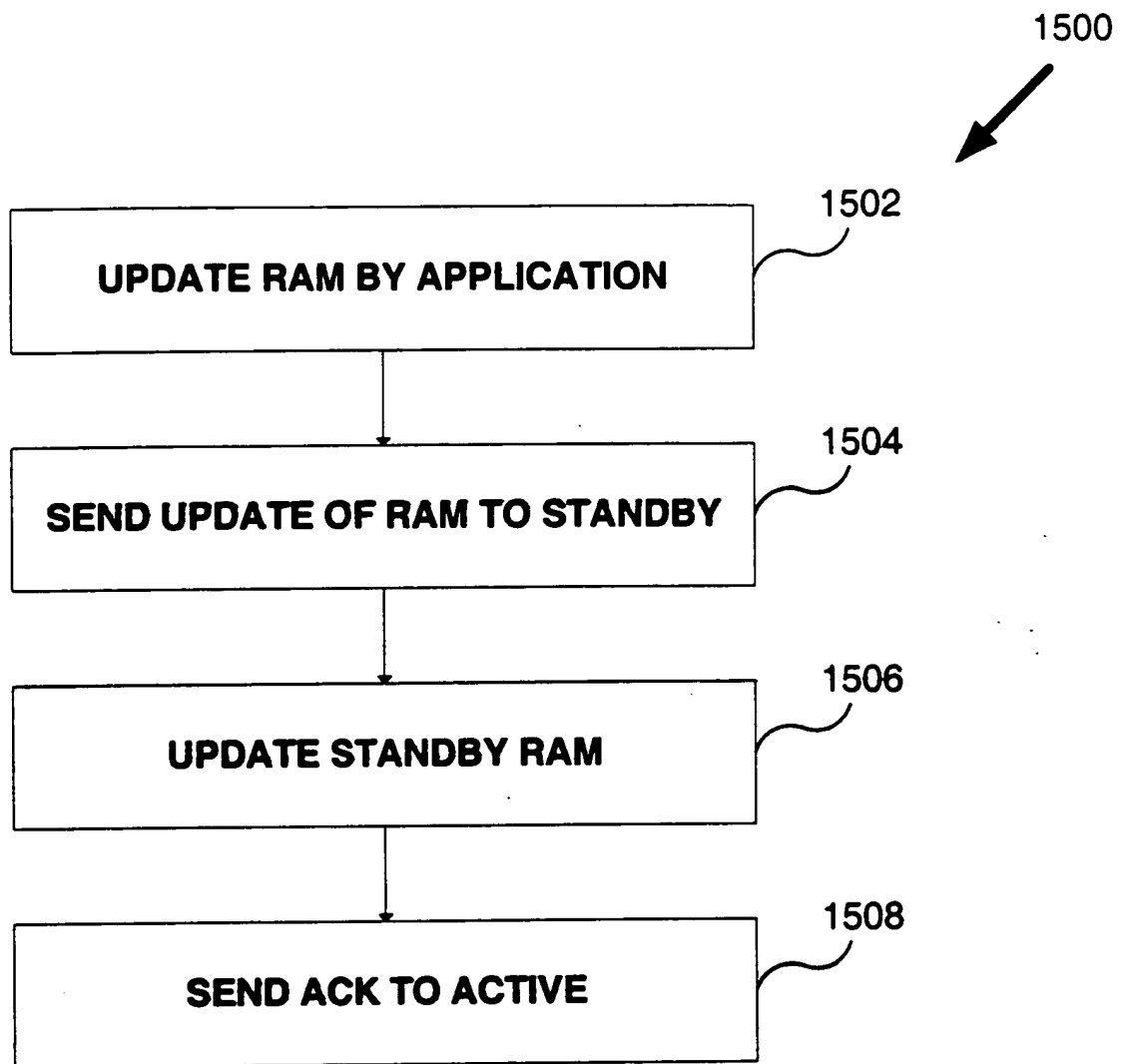


FIG. 15

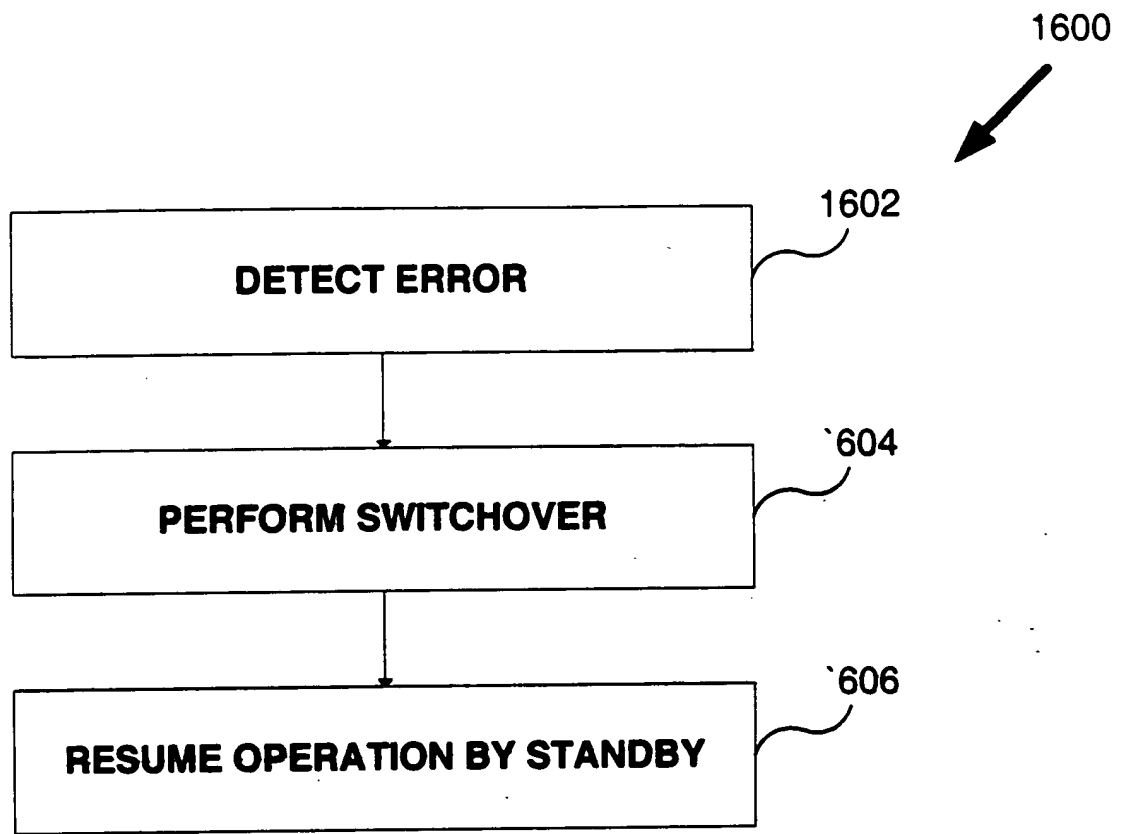


FIG. 16

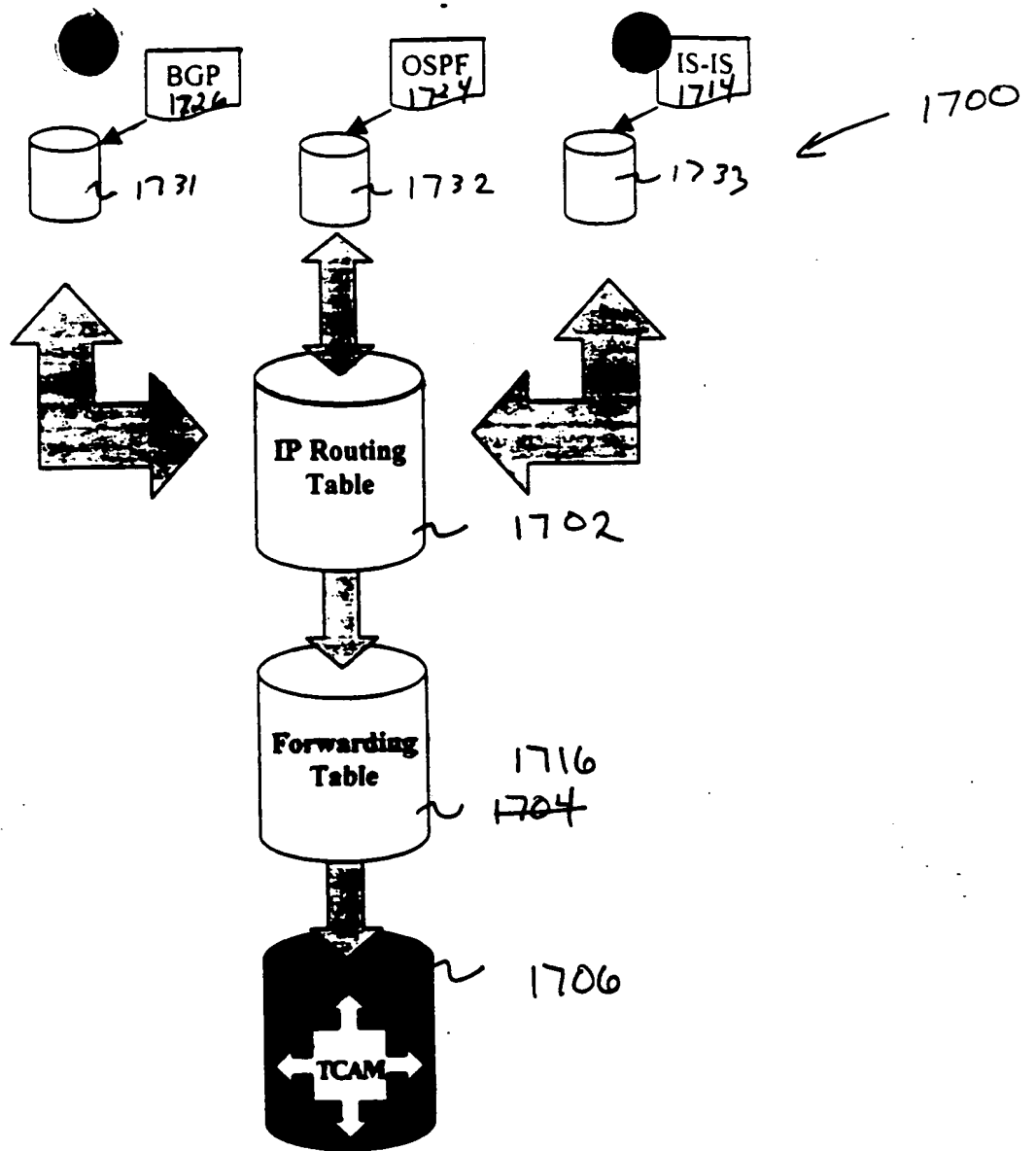


FIG. 17

1800

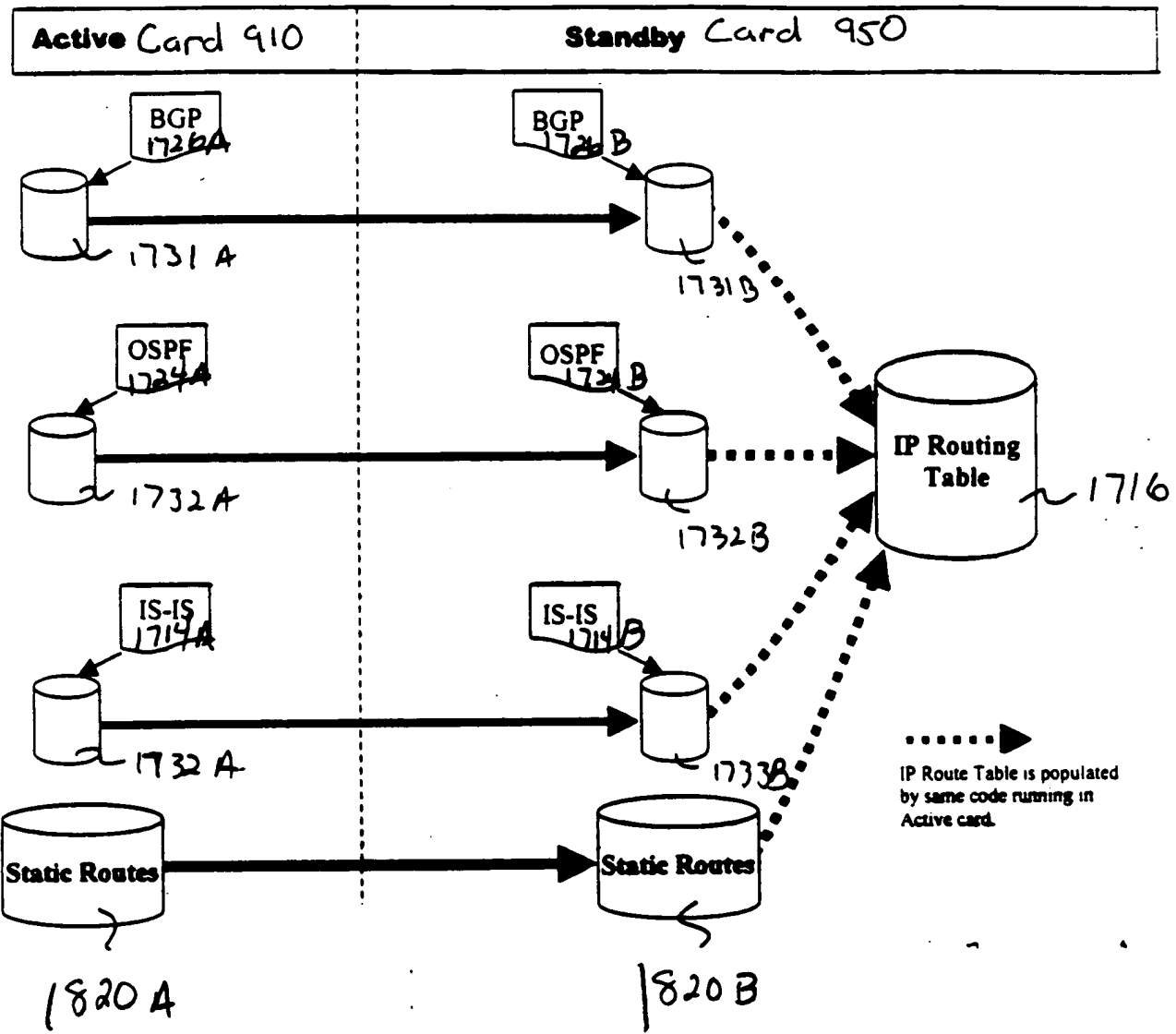


FIG. 18

FIG. 19 is a block diagram of a network device 1900, showing an Active Card 910 and a Standby Card 950. The Active Card 910 includes a Redundancy Manager 920, a Persistent DataStore 922, and various network protocols and databases. The Standby Card 950 includes a Redundancy Manager 960, a Persistent DataStore 926, and various network protocols and databases. The diagram illustrates the redundancy and data synchronization between the two cards.

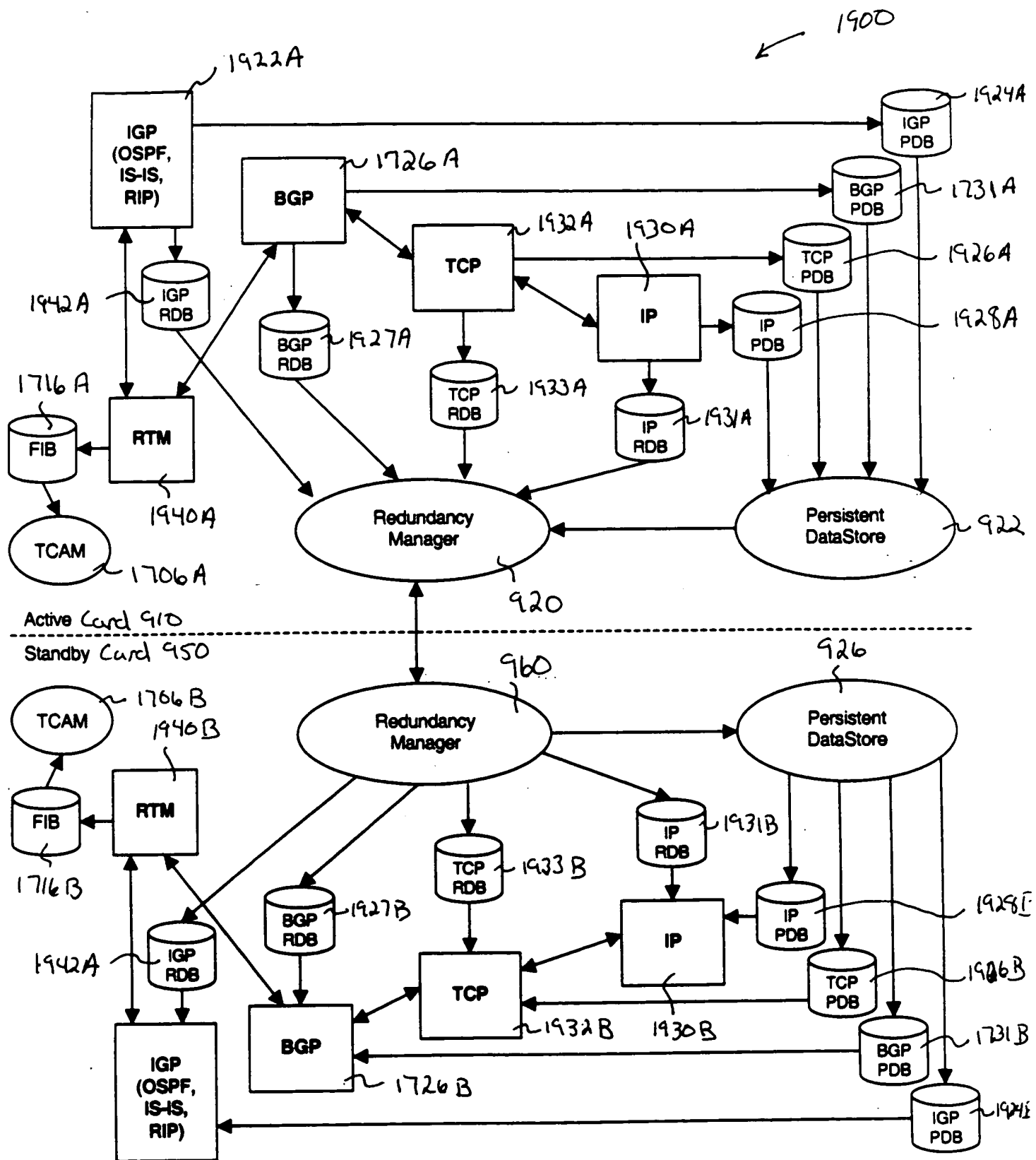


FIG. 19

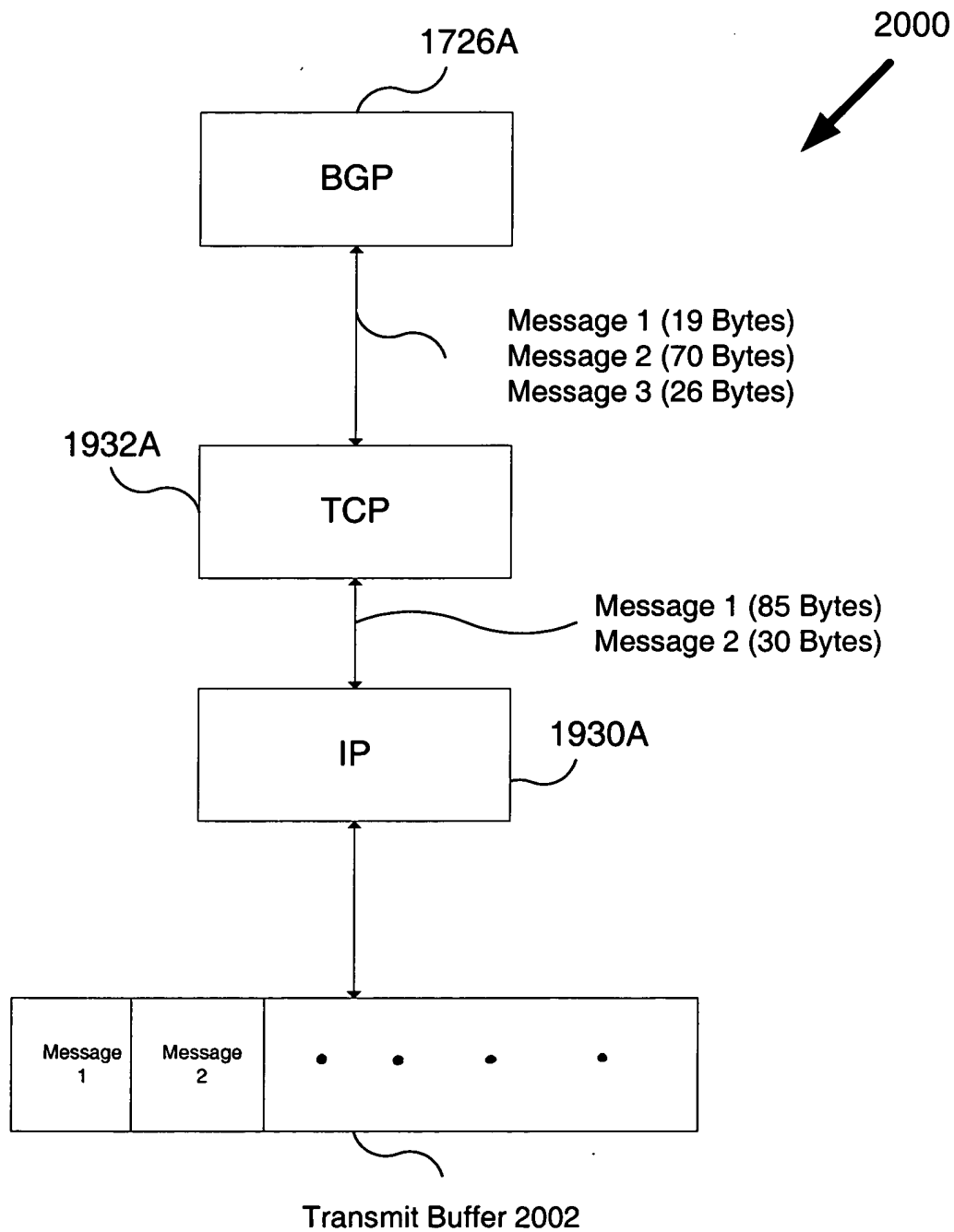


FIG. 20

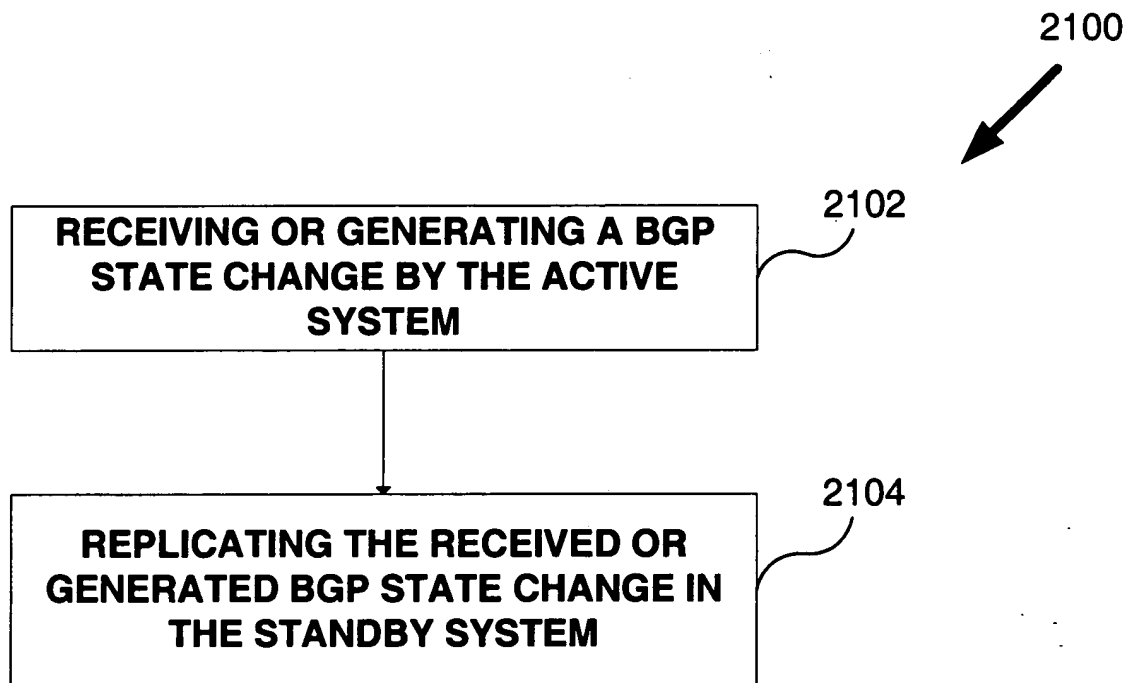


FIG. 21A

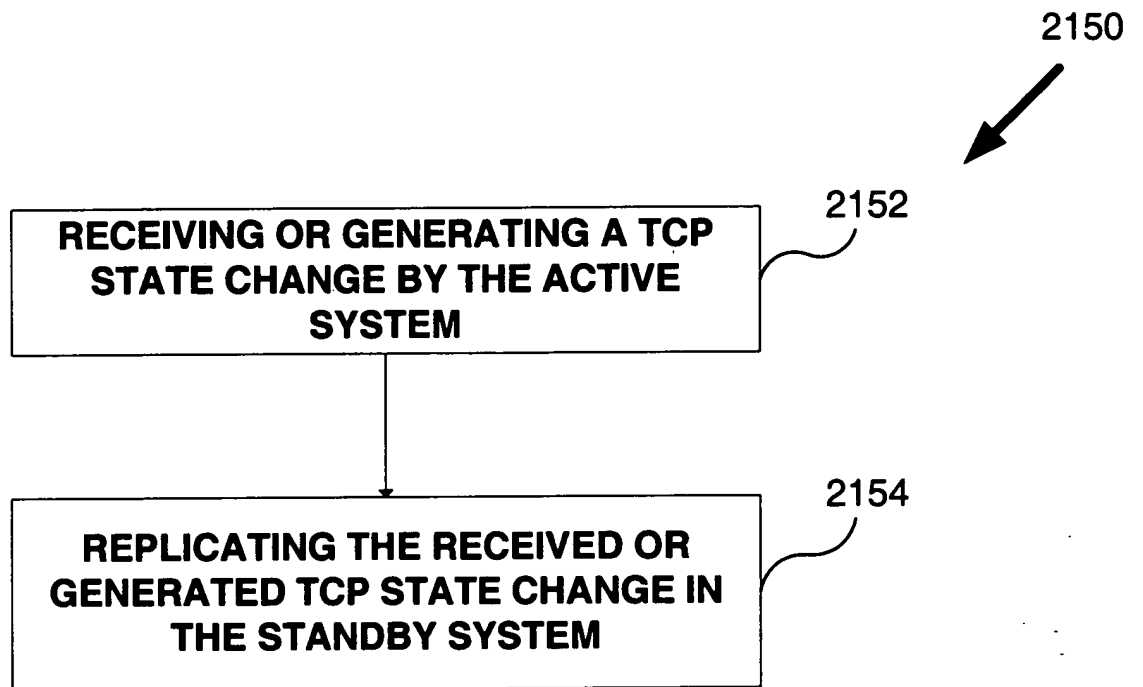


FIG. 21B

Active BGP
1726A

Active TCP
1932A

Standby TCP
1932B

2200

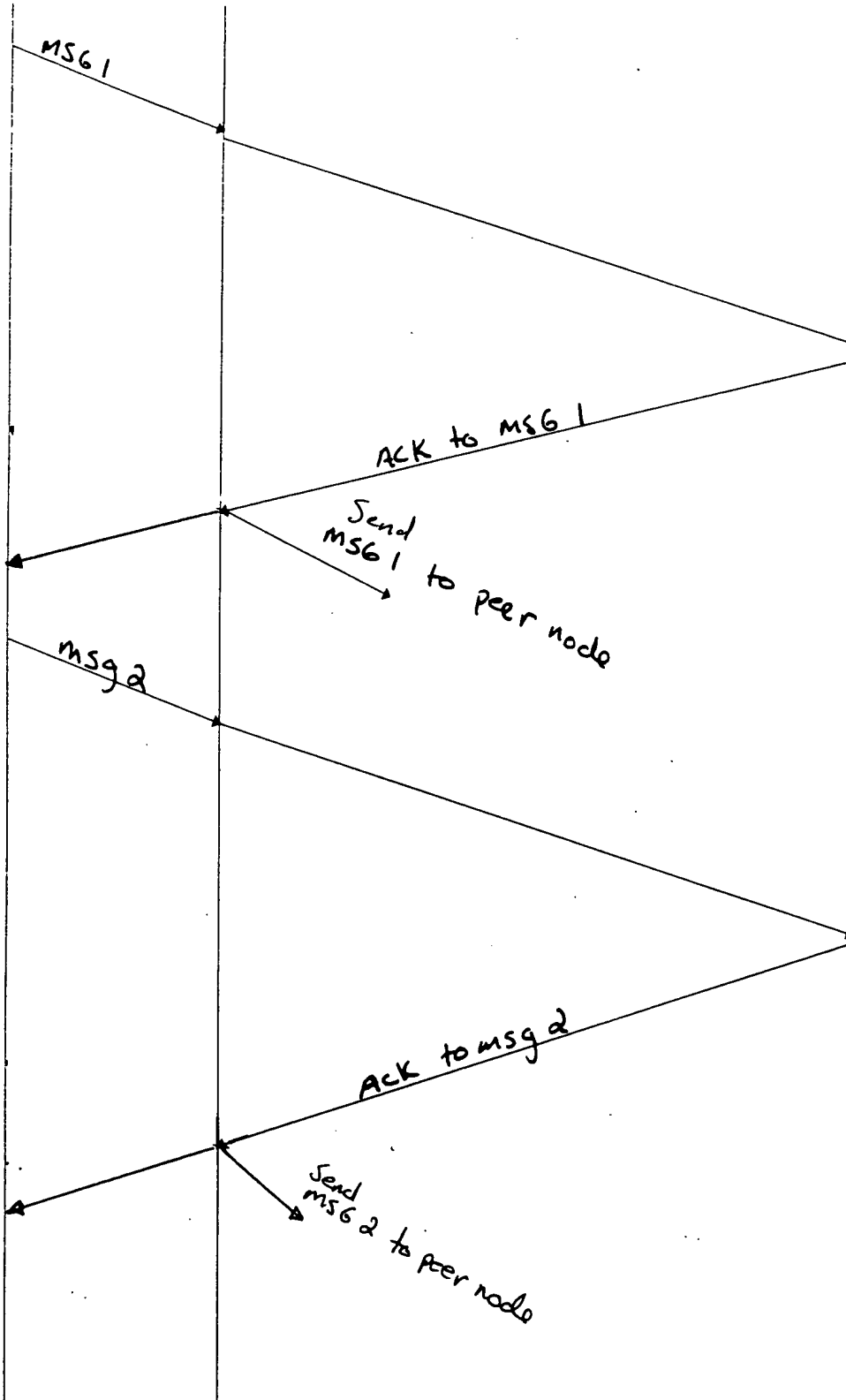


FIG. 22

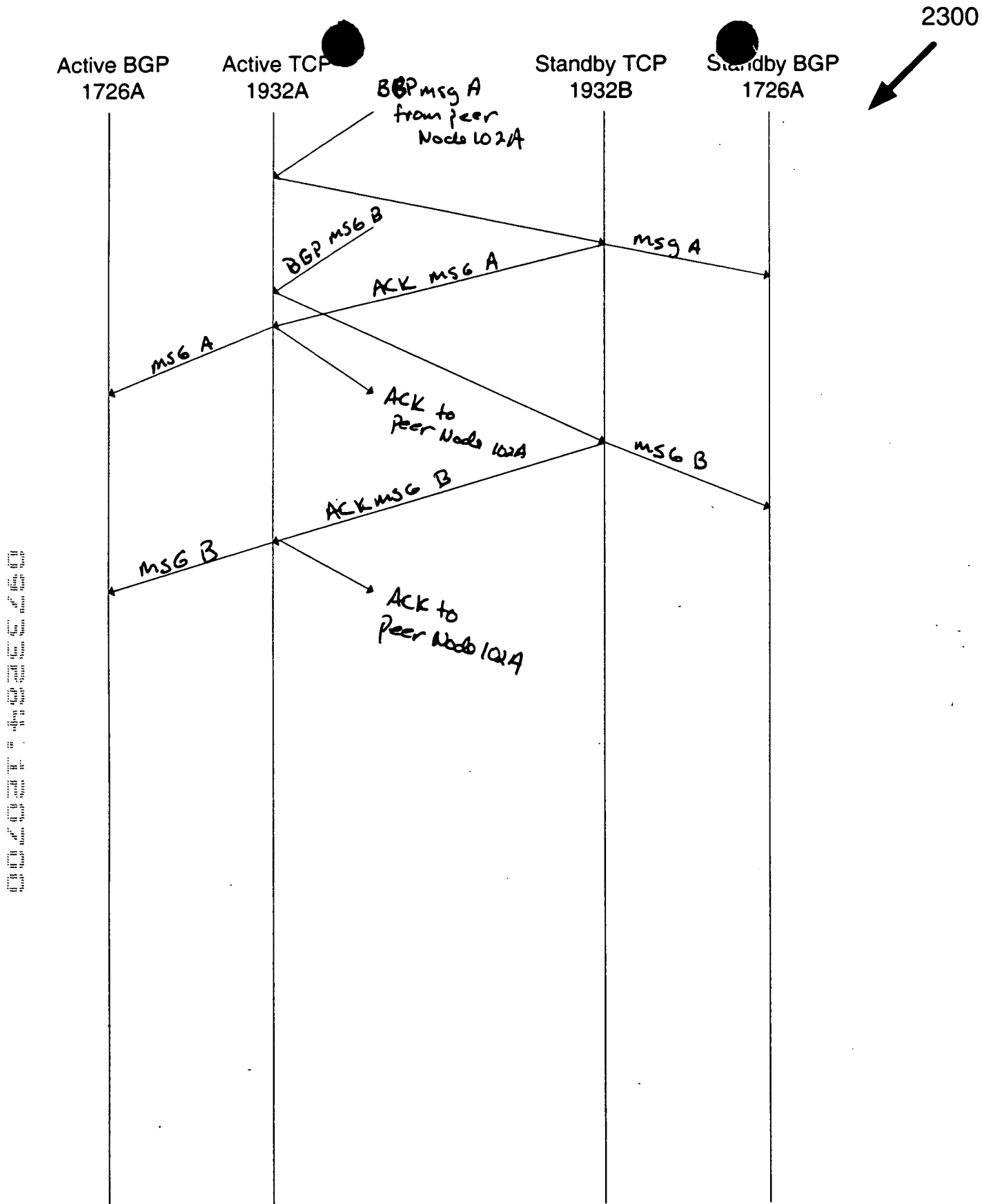


FIG. 23

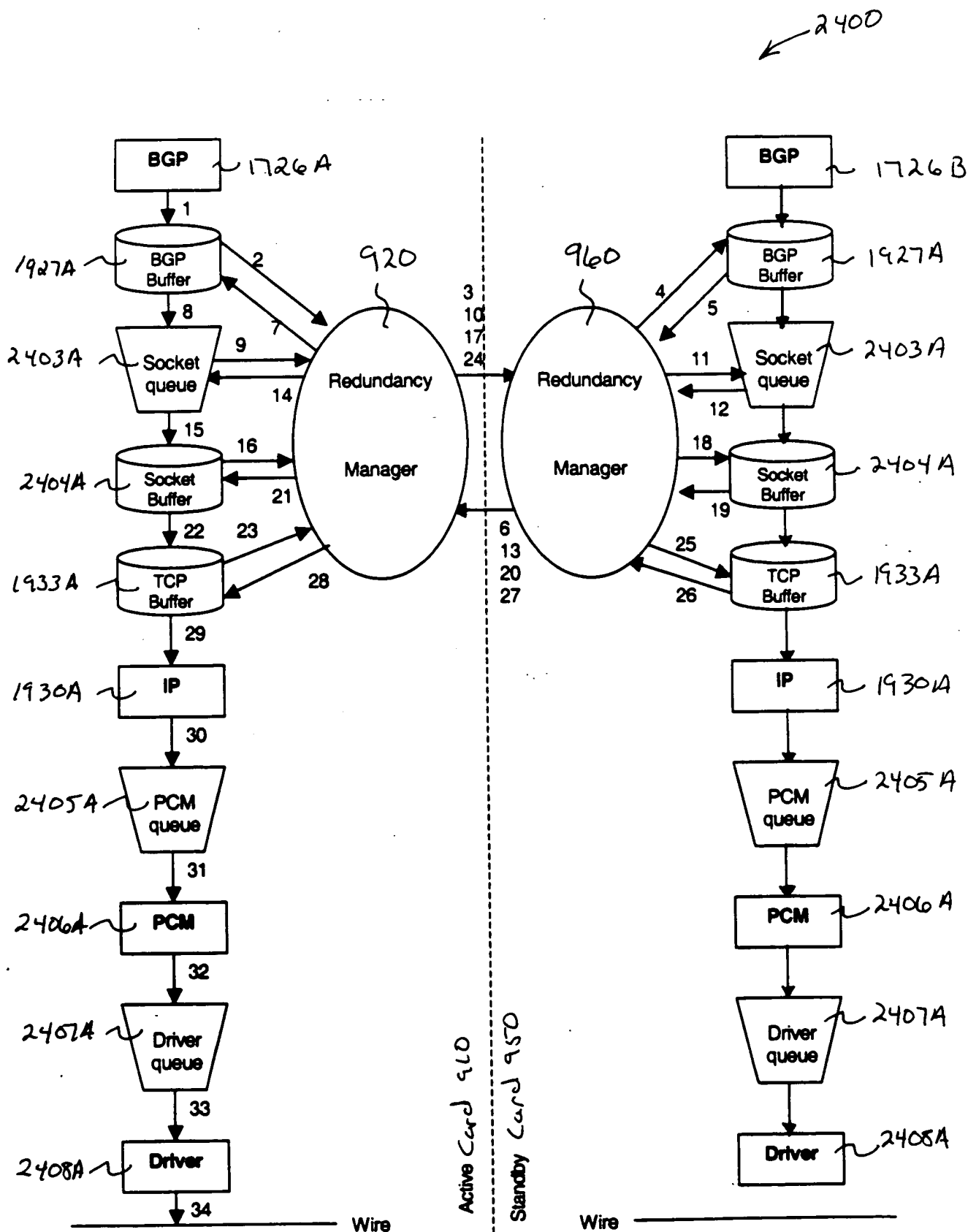


FIG. 24

2500

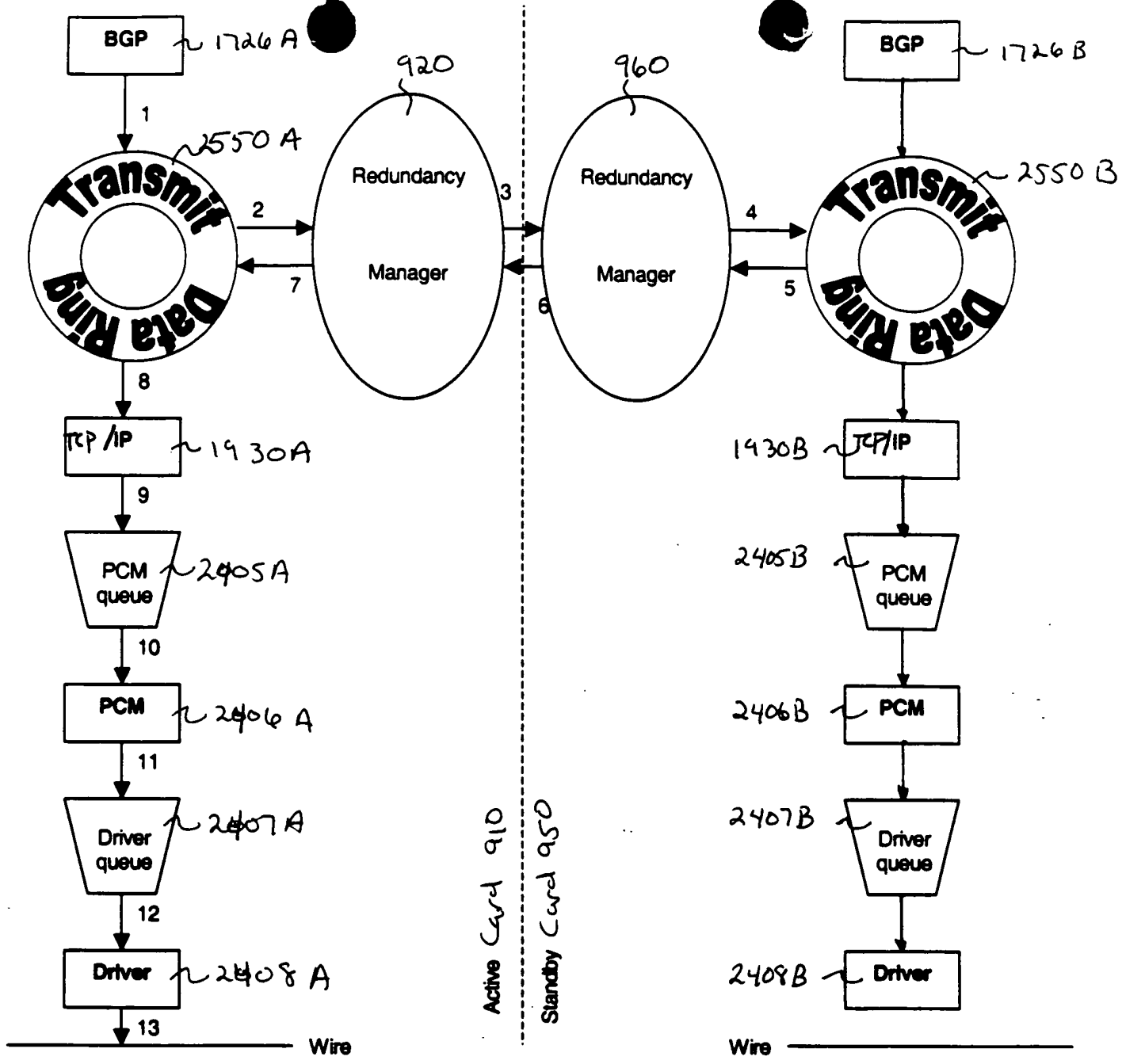
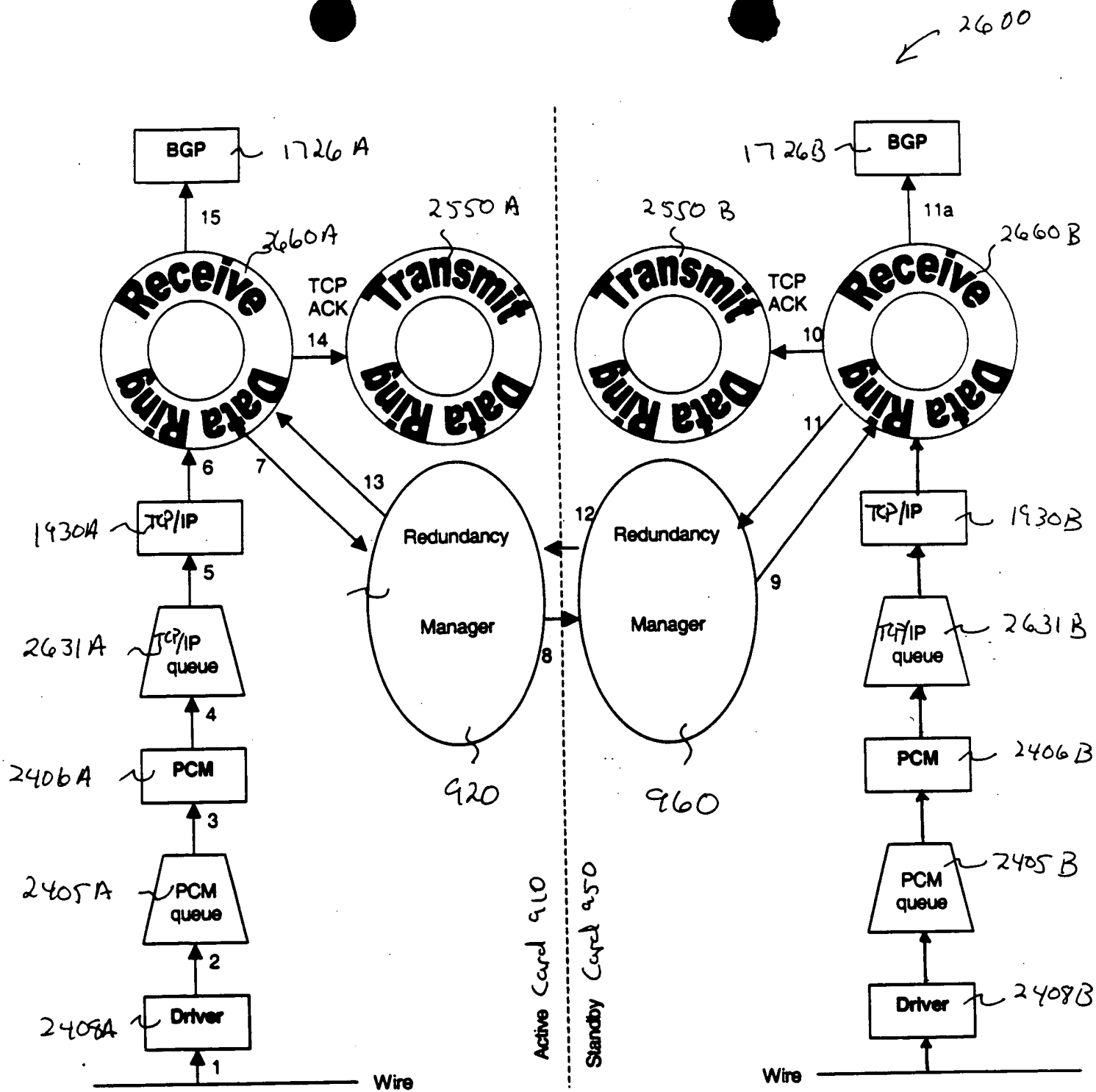


FIG. 25



2700

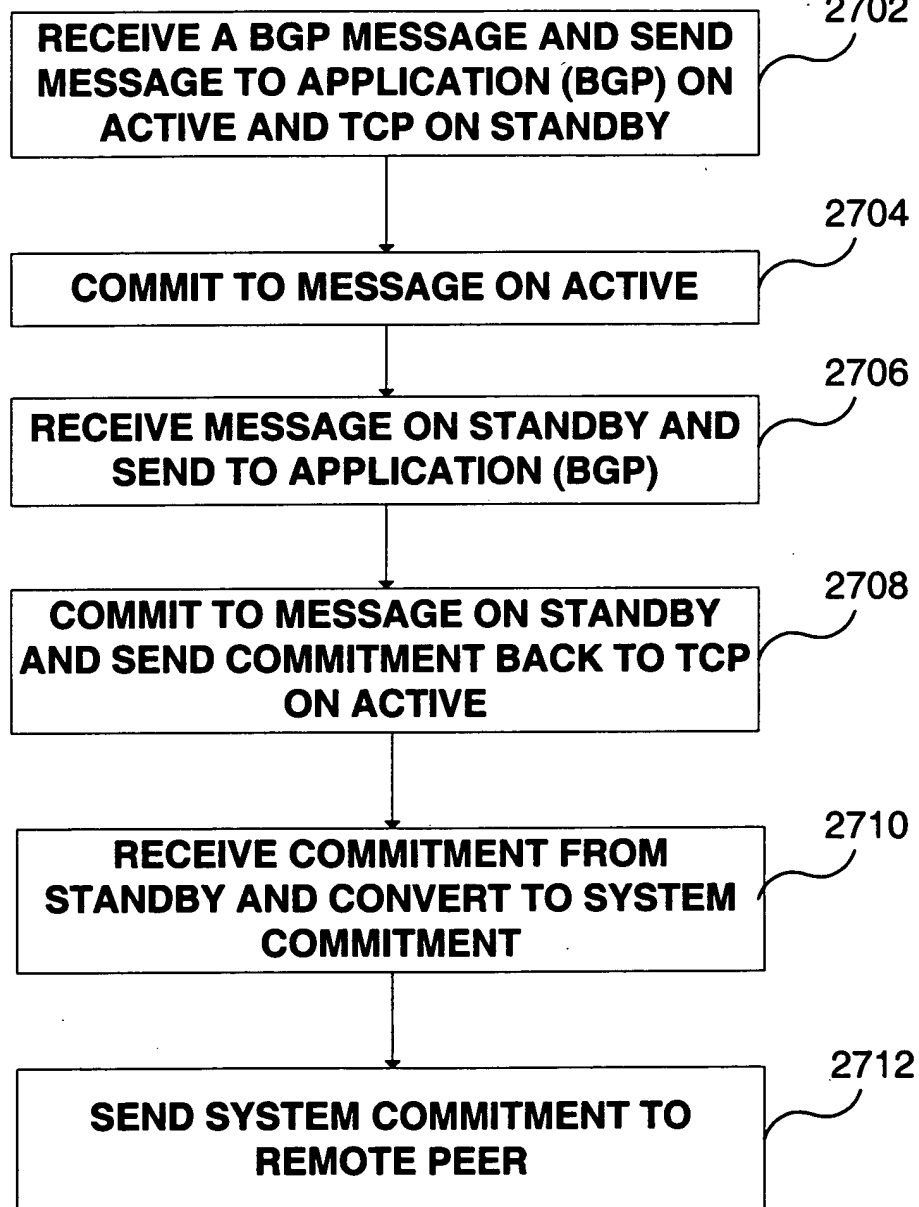


FIG. 27

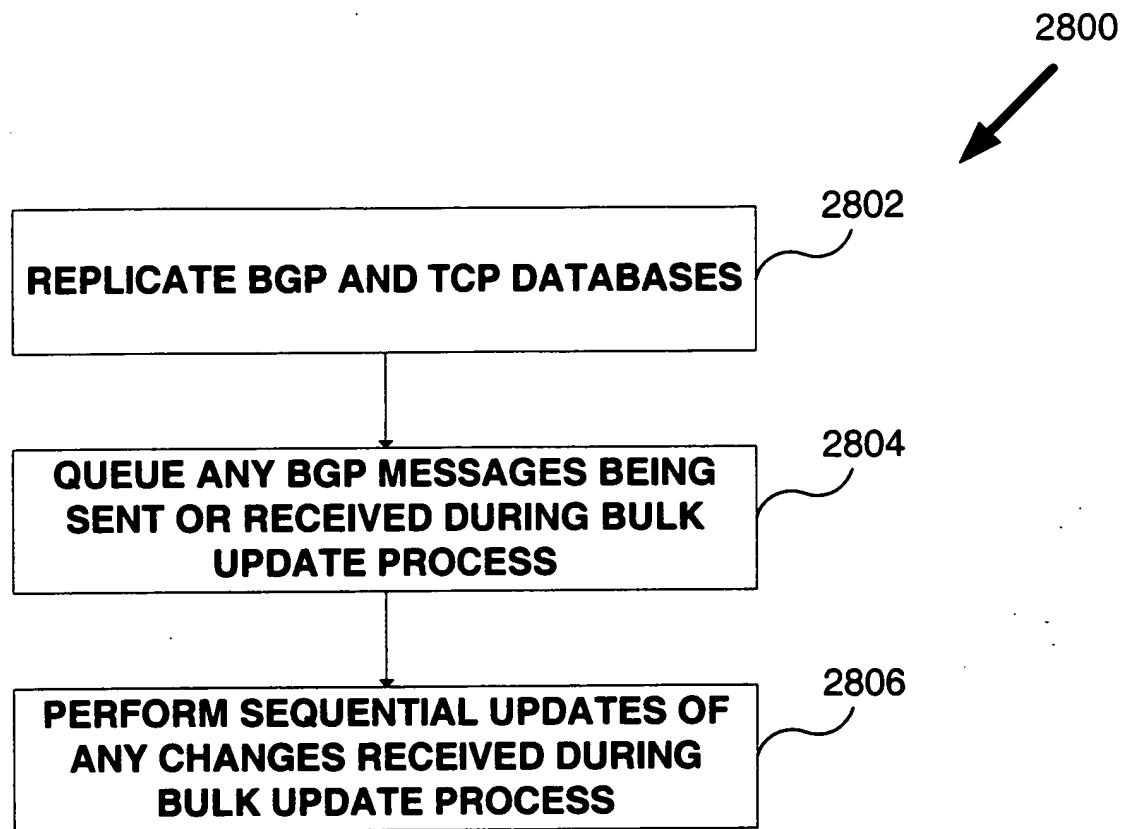


FIG. 28

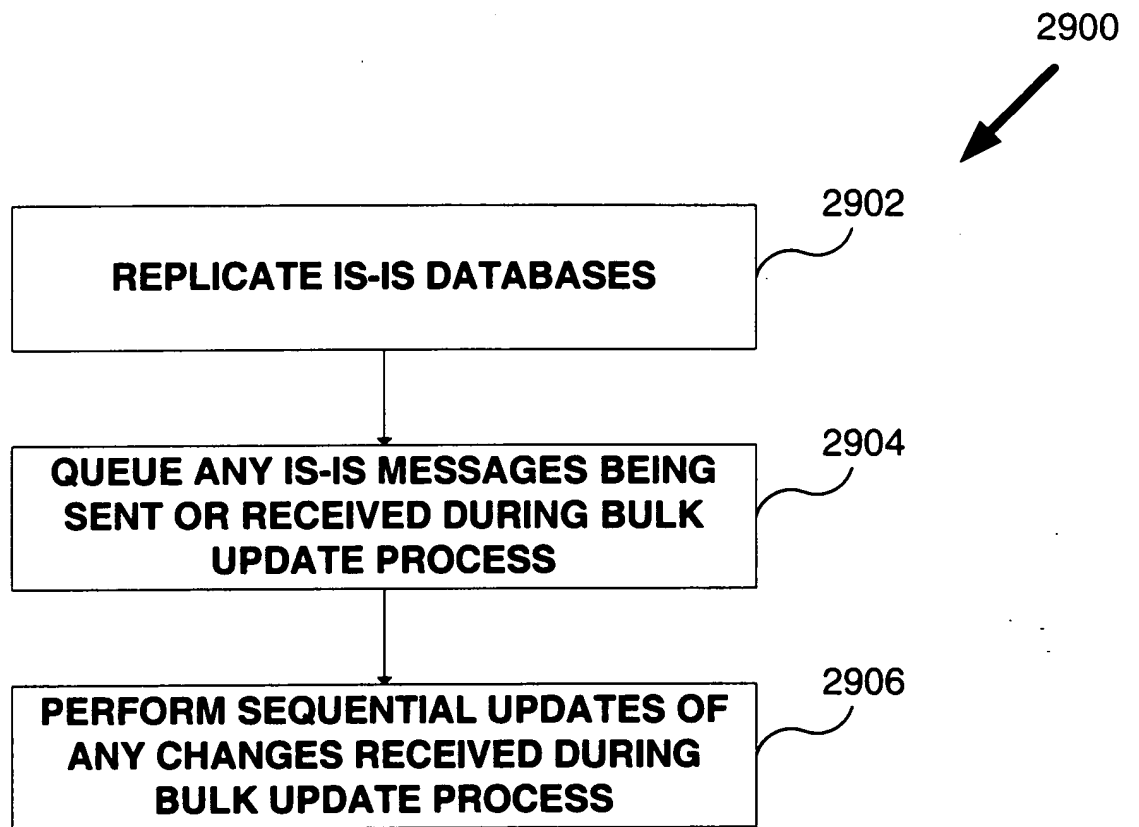


FIG. 29

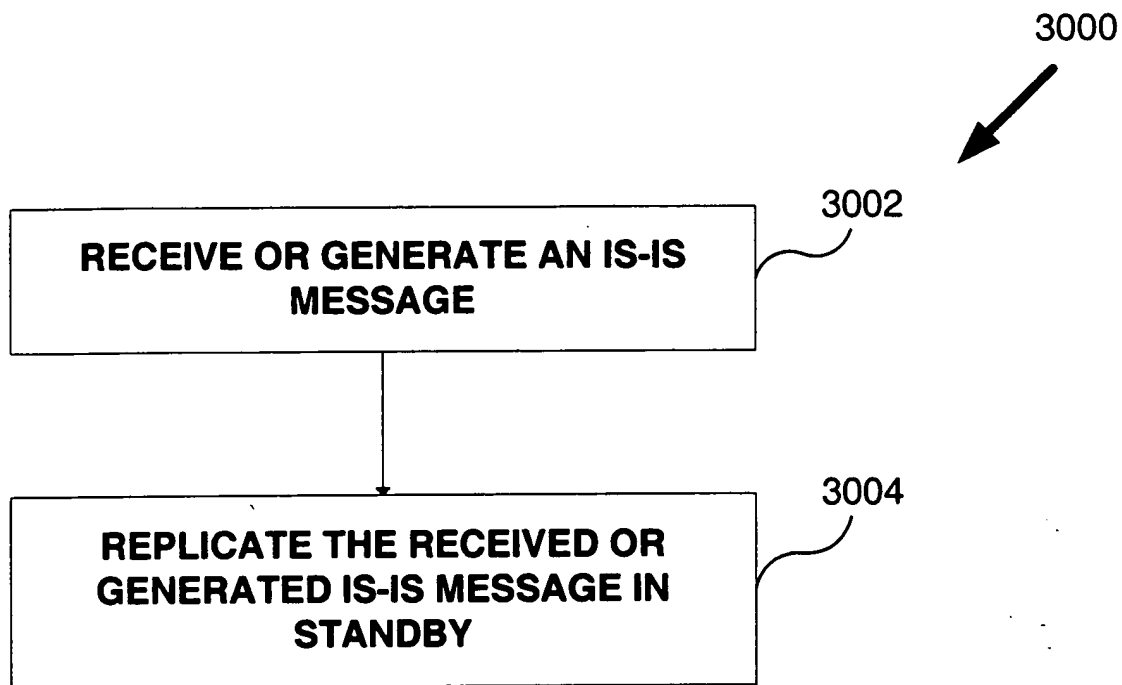


FIG. 30

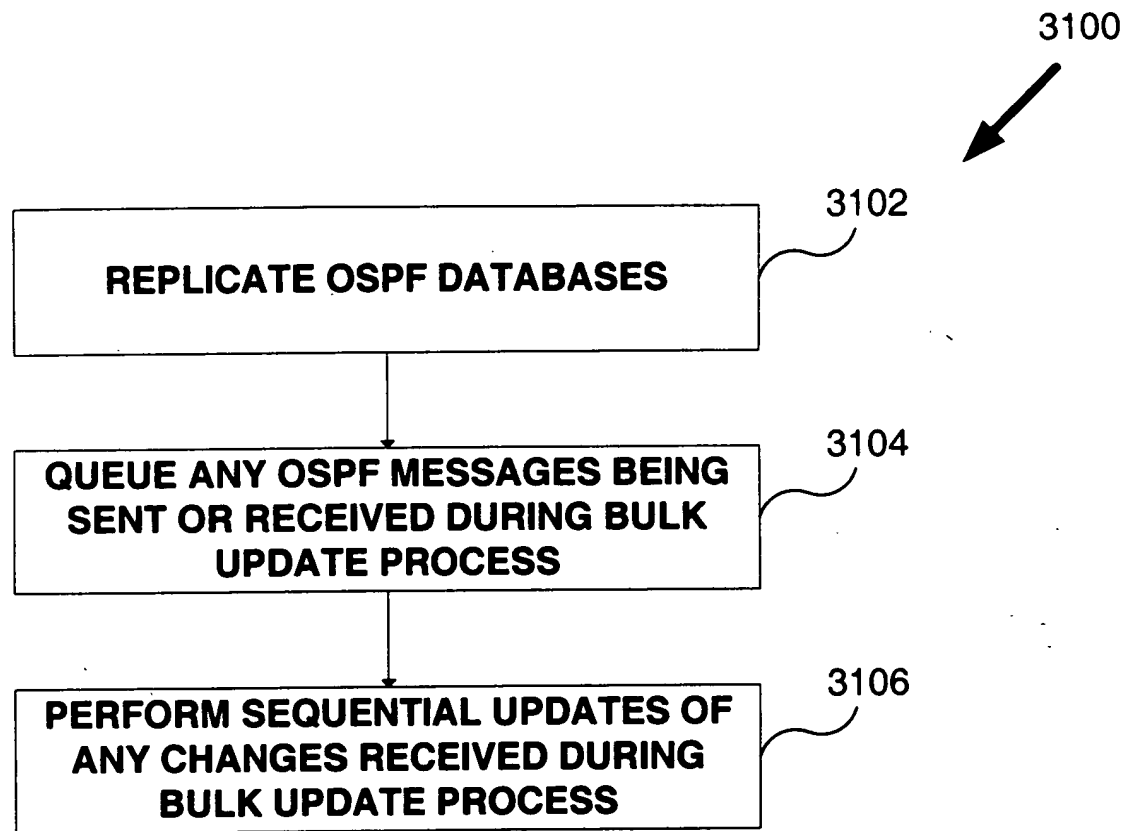


FIG. 31

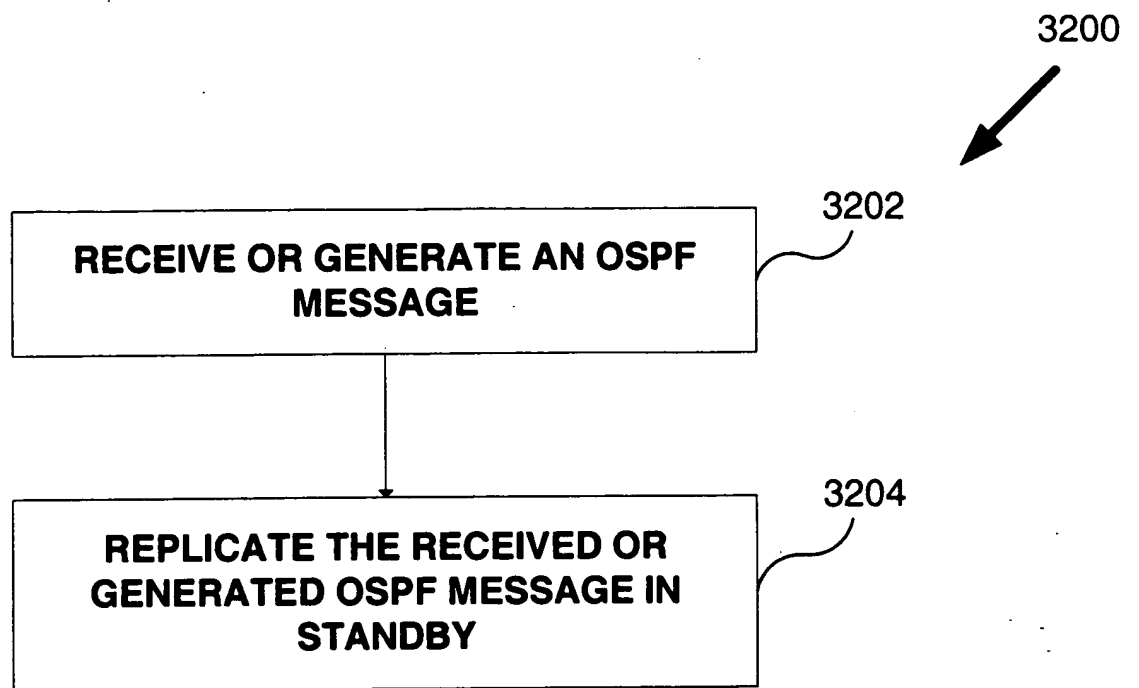


FIG. 32